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<223> Genbank Accession No. M55998

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<210> 2433

<211> 2601

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M96739

<400> 2433

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2601

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<211> 1167

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M96843

<400> 2434

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1167

<210> 2435

<211> 2561

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M97856

<400> 2435

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[illegible]

<211> 1443

<213> Homo sapiens

<223> Genbank Accession No. M99439

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gga						1443

<211> 442

<213> Homo sapiens

<223> Genbank Accession No. N20113



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tattccagtg aaatcaagat aggagaactt ttcctttaag ttttaaggtag ttaaaaaaaaa 180  
ataggagAAC taattcatgg agaACatggc caagttatga gccaaagcac aattcctctg 240  
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ctcactggga gacacaaggg ca 442

<210> 2439  
<211> 476  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N20198

<220>  
<221> unsure  
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<223> n = a or c or g or t

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aaaaaaaaac ctttagtaca caatgaattg cttttatttc ggtatgcac caccatttcag 300  
catttagngg tcctgaacag caagtggaaa gaccgcagca atttgccagg aggtcaagcc 360  
caccaatttc ggggatctgc tgtgcacacc ggggttcctt cttaatccct gctgaggatc 420  
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<212> DNA  
<213> Homo sapiens

<220>  
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atcttaaatt tgaaactcat ttttcttatg ccataagcct gattatcagt tctataaaaa 360  
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gctaagggtac ttttgaacaa ccacacacaa ttcatcaagc 460

<210> 2441  
<211> 464  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N21359

<400> 2441



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ctgtggaggt	aaatgactat	gtgggcaaa	agttgatgaa	aatcatggag	cttaggggct	360
ttatgaaact	ttgggaaatc	aaactcagag	gttggtttcc	attcttaaag	taatgaagct	420
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<210> 2442

<211> 485

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N21407

<220>

<221> unsure

<222> (1)..(485)

<223> n = a or c or g or t

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gtaaacaaac	acctgctcag	ttttcacaca	agccatgttg	tttatcaaat	tagatctgct	240
aatattgaat	acagtagatt	cggtgattgt	agttctcata	taagtatctt	attgagataa	300
cattttgaca	gtttcactng	actttccaaa	taagcatacc	ataatcnaag	aaaagaataa	360
agagtgaagt	aaaaactgaa	catgaagaga	tttaagttat	taaaggaaaa	tgaagtaaat	420
aaaaagagtg	aaaaaccttg	ggggtggaag	tcnaacaagc	ctagacnttt	gattgggnag	480
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<210> 2443

<211> 413

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N21550

<220>

<221> unsure

<222> (1)..(413)

<223> n = a or c or g or t

<400> 2443

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attggcagtg	gatggatttc	cttgctctgc	accatccatt	ctgctgttga	gcctatgtgc	360
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<210> 2444

<211> 189

<212> DNA

<213> Homo sapiens

<220>



<223> Genbank Accession No. N21626

<220>

<221> unsure

<222> (1) .. (189)

<223> n = a or c or g or t

<400> 2444

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tccaagttca aggagcagct gttttctgtt ttctgttgcc ccacagcgcc anctctgggc 180
cccttgggg                                     189
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<210> 2445

<211> 464

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N21646

<220>

<221> unsure

<222> (1) .. (455)

<223> n = a or c or g or t

<400> 2445

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ccacgctgaa ctcacacgtg cccggcagaa ggagctctca cgaaggccag ctggatgtga 180
gcttgctctg gcagcagcag tgetgtcctt gtttctgagc tgccacctat tctactggagt 240
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attgtggtct ggtcagattt taagtctgct ttaaaatcaa aaggtcactc agtcactcta 360
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<210> 2446

<211> 364

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N21648

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<221> unsure

<222> (1) .. (364)

<223> n = a or c or g or t

<400> 2446

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aagggtcaac agatatttat ggagtgccta gtatgtgggt ggaataagac tattatcaag 240
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<210> 2447

<211> 330

<212> DNA



[illegible]

<223> Genbank Accession No. N22015

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atgggataat	gcctgagggg	ccaagagtgg	tcaggctgcc	ctgggggtgaa	tgtcaccctg	240
atgaggccca	tcagctcttg	tccactcagt	gaggccagac	ttgtgctcta	atccactctc	300
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<213> Homo sapiens

<223> Genbank Accession No. N22107

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aatattacat	tttcagactt	acttagcaga	taatcatcca	ccagagctta	aatctttaaa	180
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<213> Homo sapiens

<223> Genbank Accession No. N22404

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ccattttga	aagtgcata	ttttgtaaac	taatatgtta	atttgtgcaa	aactaaactg	300
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<213> Homo sapiens

<223> Genbank Accession No. N22434

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ctgca						305



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 <212> DNA  
 <213> Homo sapiens

<220>  
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<220>  
 <221> unsure  
 <222> (1)..(345)  
 <223> n = a or c or g or t

<400> 2451  
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 gtcctcagac aacattcagg taaatgtttt acatatgaga cacctgcctg taatgtgatg 120  
 acatgagata tatatatgga tatatatata tatggatata ttttttgaac cactgngatt 180  
 tactagtcta ttaaaatgcc attacncatt taaaaactga acaattacaa caatgcaatc 240  
 ttcaagcaat taaaaacaaa gaattgttga gccaacatgg gagatctgct gagtaatctg 300  
 gcctttcaan gtaatgncta gtggaaaccc tgttttctcc ttcca 345

<210> 2452  
 <211> 375  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N22938

<220>  
 <221> unsure  
 <222> (1)..(375)  
 <223> n = a or c or g or t

<400> 2452  
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 agctcagtga ccctgtgtcc ctgtctgggg gganaagtgt gtggctcaca gccagtttcc 120  
 ctgagagcag aggagcagga agctcagtat ttcttaggca ggccgtcagt ctgaagcggg 180  
 cgggggtcttt gccactccgg ccccatctct cagctttctc gttggacttc gaggctctca 240  
 atacagtgtc gctggttcca aataaatagn agtctattaa tccctgaaga gtagaccctn 300  
 gaacgggtga tgaagtttag gaggccagga nccccccaa ggtcctcttt tgggggcagc 360  
 atcataagnt tcccc 375

<210> 2453  
 <211> 442  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N23319

<400> 2453  
 gaagaggaca tcttgtaata aattttattgt attttgttac attttccact tttctcttaa 60  
 ttccaactgt atactatata atcaacgctg tttcagaaat aaaatgtttc aaacgtaaaa 120  
 atataaatc tgcttcttaa aagtgcatac actttgaata ataaaacata caaataaata 180  
 acagaaatca gtgacacatc tcatgcactt gttctaaaaa aaatttaaaa tgtacgatac 240  
 acttttcttc cagcctctag gaaagacatc ctgccttcca tattactgta caactgaaaa 300  
 tgaaaacgac acagaaatca ctatccacgg tgcagttaga ataccaaagc actttgtgta 360  
 cagtgtatgt acatgcagct ttcaagacaa ctacagaaat tccagtgtaa aaactgaaga 420  
 gttcaatcaa gaaacgactt at 442



<210> 2454  
 <211> 490  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N23665

<400> 2454  
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 gtttcccttt catttcaaga ctatgacatt cgcacttctt tgagggttc cattgcctag 120  
 gtggcctttt tcttgtagtt aggcatctt agagctctgg gcatgggctt gtcttgcca 180  
 aaatgtcttt tagcaaagta atcatatatg ccaataggaa atagttagca aggcatatcc 240  
 acaagtaagc gcctttccct ggcgtgtaat aggcaaaagg gctcttcgcc aagatagcat 300  
 gctggatgtc ccgcagcacc ggagagaagt ccttgctggc taacgagttg atcaatagga 360  
 ggaaattccg ctgtgctaag atgtagtcct ggccgtagtc ttcctgtacc tcagcgggga 420  
 ggtggtccag aatgtccttc tccagctttt cccacttgtc actggtgcct gcgatatttg 480  
 ttaagaagcc 490

<210> 2455  
 <211> 375  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N23730

<220>  
 <221> unsure  
 <222> (1) .. (375)  
 <223> n = a or c or g or t

<400> 2455  
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 aaataaaaaat ataaatatct gagaatccat cttaataaat aaattaaaaa cncnnnccaa 180  
 cgttttcacn nccccntgtt aatgtcagaa cattcagacc acctcaacaa tgcattgatca 240  
 gtaacattac aatgaacatt gatgttgaag aaaaactaca gtacatggat atagctattt 300  
 atttctatct accagaaaat aaagtcgtat cttttcttag tataaatattg gtcatttcta 360  
 atcagaacac actat 375

<210> 2456  
 <211> 419  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N23761

<220>  
 <221> unsure  
 <222> (1) .. (419)  
 <223> n = a or c or g or t

<400> 2456  
 aaagatgata aatcattaag tttataacac atagagagta taaaccaaga aagtaaattt 60  
 atttaaatta ctaaaatagc ttttaaagtc atttacagat cagctgctat aattattttt 120  
 cctgaaagac ataggtaaca tattactttt aaattacttg ggtcaatgaa acatttaata 180  
 aaaacatttg tttctctata taatacgtat gtataaaata agccttttca aaaactctgg 240  
 ttttcataat cctctataaa tcagatgatc tgacttctaa gaggaacaaa ttacagtaag 300



gggtatacat ttatgaatac tggtagtact agaggaaaga cgttaaacca ctctactnac 360  
cacttgtgga actctcaaag ggtaaatgac aaagccaatg actgactcta aaaacaata 419

<210> 2457  
<211> 593  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N23817

<220>  
<221> unsure  
<222> (1)..(593)  
<223> n = a or c or g or t

<400> 2457  
ttttatacct ttatcttctt ggaatggtca gattctgaac tggacagtca gaaccacagg 60  
tctgctgtta agggatttta aattgtgcat ttttaaccct acagtgaaat aacttaagat 120  
atccctgtgt tcacagtgtg aggggctgtt ttatgtcatg ttggcataaa ttgttttgta 180  
aaagggaaag tgtttctaaa ggtgtttcag cgcttgtgct gatacaaaagt aagttattac 240  
tttgcaccag gtggtttggc cactgaatta atactgtata gcaagagaaa caatcttatt 300  
tttttggaca acatgtttta ttaagttctt catttctgtt gatttttttt attgcattta 360  
tgattcagtg gctgggaatt gagaatttat ttggaatagg aataggtaac acctccagcg 420  
gtacctatag aaaatgcact ccagctccaa ctgcctggtg gtttnaaaat acacatttta 480  
aaaccccnct tttaccgnca cctaaccatn aaagtacctc cttcctgggg ttggtaacca 540  
tggtgggtag gncccgnggt attggaatag cccatggtta ataaaagccc aaa 593

<210> 2458  
<211> 490  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N23868

<400> 2458  
tttttttttt taaatgacca ataaatattt taatcactgt taaaaaaaat aaaaaccttg 60  
tactcctacg acttactccc tccttgtctc caccactcc tccatgagaa ccgagttggg 120  
aatttccacg ggaagtcggg ggtggcgggg agagacaggg tagaaataaa gagcgcaccc 180  
ttgagagggg gtaggttcta ggacaagggt gggggtcaaa ggccttgtct ccacgacaac 240  
acaaacacag acttcaggca cagactacaa ccacctgacc cctgaccctg tgactgcagg 300  
atgttcaaca cgccccctct cctcctctcc atgtgcaatc tactctgtgg agcagggggct 360  
tcagtgtacc catcagaggg aaaggaaggg tttagttctg gaaataacct gggggggagg 420  
ggttgagtag tagaatgggc gggatggtg gaaactgtgg ttccccctcc agaatatata 480  
caagtccaca 490

<210> 2459  
<211> 425  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N24879

<220>  
<221> unsure  
<222> (1)..(425)  
<223> n = a or c or g or t

<400> 2459



```

aanaaaaggc cctcaaatat atacagacaa aaaattactg tgaagatfff ttcgggaaaa 60
gctaccaaatt tcagtgttgt gagaaaaaact ggtaaccatg cagaaatfff aacatctatg 120
aattttttttt ccaaaatata cacatatfff tttaaaaaag gaattctgtg tcaagtataa 180
ctcaaaaataa atacaaattc acaagtagaa ctattgaata cttcatatgg ggtaaacacc 240
attatctccc aactagatcg cttagatctac caactgcaag cgattgtccc ttttgaacgt 300
actaaaacca cacactttcc catcccctgg gctcctggcc ctctgagcac ttaattctca 360
atggggcacct ggctgcatg gcagggggct ttgctgacca caagagagtt cccagttca 420
gccag
425

```

```

<210> 2460
<211> 454
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N24899

```

```

<400> 2460
gttggttgaa aaacatttat tgcaattcag tgtcaaaagt tttttacaaa aatatgccac 60
cgtctggtac aaacaactat aaaaaatcag ttcattcatg aagaaaagtg tgcaaataat 120
ttatacagaa ggactcagct cacacaatat taaataaaca tctctgcatg taattggtct 180
aacttttatgc tttagttaca atgttcaacc ccttctaata cttttcattt aaaaaagtac 240
attaaagctt ctaagcttag gacacaggct gtaatatagc cccactttag ccatgggtgat 300
tggtcatttg tagaataaag attggcacca aggattccca agtatagaat acagcttgga 360
gccttctgct taacagactt gtgcttcgtt aattaaacaa acacatctat actcaaagac 420
agaaaaagtc atgttttaac tccagaaata atgt
454

```

```

<210> 2461
<211> 463
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N24973

```

```

<220>
<221> unsure
<222> (1)..(454)
<223> n = a or c or g or t

```

```

<400> 2461
cctgatgata tttatttcat aaatgtaatt atttttctaa aacatattaa aatagaaaac 60
atgttctttt aatcaatcaa tttatacaaa gaaaatacca atatagtaat aaaaatactg 120
aaaatatatg aaaagcacca gaacattaga gaaattacac tggcaacaat tctaggaata 180
tatttttttt tgtagttgta caataaagtg ctattaaatc cagtcaaaat tagtggcaat 240
atataaaaaa agttatggta gtatgaaatt tgaggccagg tttaccagca atcgatttt 300
taggctactt gcagatcaag gtaatgatat ttcactaatg ctttcatgga aaatctatft 360
aatttccatt cctaagtga aacaaatatc taaatctaaa tgggttgggtt ccntgggtaa 420
tttgggtcnt gaatagggta atggacntgg attaaaaata aaa
463

```

```

<210> 2462
<211> 454
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N25082

```

```

<220>
<221> unsure
<222> (1)..(454)

```



<223> n = a or c or g or t

<400> 2462

```
agacgggctt ggtgacccgg acccggactc tgtgtcagc atcctcctct gtaggttggg 60
gtgatggggg aggccttttg gggacaaccc tctttttctt gtgcttcttc accagctctg 120
gactctgttt ttctccagc cttttgatga gtttggtgag agtggatgtg agagccagca 180
ttgcccgatc ccgctctgac tcttcttcca gcccatctgg gtccagctct ttctctgtct 240
ccgaacggag ccggtctcgg tctgacggaa gcaggatccc ttccagttcc ttctcaaatt 300
ctcccagtaa ctgccgttca tctctatctt catctctatc ctcatcctca tctcctctct 360
cttccatctc tctctggcgg ttctggatca accctttcct tctnccgggt ncctctgaag 420
gaattctgga aggaataatc caaagggtgg tctt 454
```

<210> 2463

<211> 454

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N25193

<400> 2463

```
cttaaataatg tcttttttta aatgtttgca agaaactcta agggctaagg aaatgcactg 60
cattatgatc tgggctcctt agagtacaaa cctcaccagg cttaagcatc atccataaga 120
aatggtggat tacttaatga cttataagta aaacagtcac taaatcgatc ctttcatact 180
ttaatcctct tatgcagaga ctgagatact tccatacatt ccaatatctg caactttggt 240
tctattaaag tatttgataa aagcaaaaaca attttgtgac cacagaactc tatggaactt 300
tttttccttt taaagtgtca ggtgaaccta gcgtgataag gcaatgttgc ctacacatcc 360
gcgacccagc acaggaggga cagcacagac agggcatggt ccagctcacc atttggtgta 420
taatactgac tcccagccag gggtaacact ggct 454
```

<210> 2464

<211> 450

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N25262

<220>

<221> unsure

<222> (1)..(450)

<223> n = a or c or g or t

<400> 2464

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gagatggagt ctctctctgt cgccaggctg gagtgcagtg tctctttaa aaatgtgggc 60
caggtgcagt ggctcgacc tgtcatccaa gcactttggg aggctgaggt gggaggatca 120
cttgagccta ggagttaaga gaccagcctg ggcaacatag actccacaca aaaaaatttt 180
ttaattagc tgggtgtggt ggcctgcacc cggccttacc aggctaattt ttaaaaacat 240
gcgtttttta ttaccaggat ttacctgata aaactactct ttgtcaaggt tgtaggactt 300
ctgaaaagac agaactaagc tttgttgctt ttcacgaagg acagatcagt tccgtctgta 360
taggctataa gcaggtaagt agtgcactct attgggtgaa gggaatttct gttggtttgg 420
aaagcccaac tatagctggc tngcatggan 450
```

<210> 2465

<211> 424

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N25969



<400> 2465  
 aaatataaaa aggtagctaa acacaaagta cagatcagaa accctcattt aatatagatt 60  
 attttggaaa ttaaaaaatt tgtaacaagg tggctttctt acccacccta aaatgtaaat 120  
 aaaacctctt cccagattt atacttcata ctgggtaaca acctaaaagt ttttcaaattc 180  
 tatgaaaaaa atctaccatg accaatttaa attacctggg aaagggcagg agaagggatc 240  
 aataacagag tcagtttagt gcacacagat ggaaaaatgc ttgcagtcac tcccaaatat 300  
 aaccctacat taccttatat ataaatcaca atgaaaataa aagtgcctac attacagaac 360  
 tgtgaaattt tggtttaaaa aaataataaa aataaactgg tggggtatca ttggaataat 420  
 ggta 424

<210> 2466  
 <211> 453  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N26184

<400> 2466  
 ttttttttgg agttgcatac attttttttt aatccaaaga agtaagcctc ctaagtattg 60  
 cttagacagg tttatcagaa ttaagtaggc acaacactca tactttcaga aaagcatttc 120  
 cagccagggg agtaacgtgg cactcaccag catgatgtct gttttgccaa cttgctgaag 180  
 aacgagtaac ctgaaatgaa ggagcgagaa tcccaccctc agccccccaa cagcttcctc 240  
 agcttctttt tcttctgagt caccctgaa acagtcgctg catctaagac cagcctcggg 300  
 ctaaacaccag ctggcctgaa ggctcaactc acatcaaacg gagctgggag tcgcttttgc 360  
 gtgtgtccgc agtttgaagt gtcctctccg aaggtggaag tgggggaagc aggtgcgctc 420  
 cgggatgaag tgcagggagg caaactctgg ctg 453

<210> 2467  
 <211> 437  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N26186

<400> 2467  
 ttttgagttt catcaaaaga attttattta cagcttttate atccatatgc cactaaaatt 60  
 cacctgtttt ctttcaacct gcactcattt tgattgcctg gaactctgga ttttaattctt 120  
 ccatcccact ttgtatcttg cattcacttc actctctctc cagcttttat tctttctttc 180  
 tctttcccta ggtccaatgc acttgaccca actcacatgc gtggactccg ggaaggtact 240  
 gtcctctccc tccaaattct gagcagtaaa atgccgcccc ggggactgg ggaacagaaa 300  
 ggaatgagac cccaacaggc agaagccaag agagcgggga ggagccatgg cgtttctggc 360  
 ccaggatgca ccacgcctgg gacgtgctcc cccgaattcc cagtgtccag gtggcccata 420  
 tggccaaacc tcagggg 437

<210> 2468  
 <211> 445  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N26904

<220>  
 <221> unsure  
 <222> (1)..(445)  
 <223> n = a or c or g or t

<400> 2468  
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gagcttcttt ttggagactt tgggtctatt ggcctttctg tataggatgat acccaatgag 120  
gccagagg ntcggcacca tggccatccc taccagaggc aaaatgccct tcaccagctt 180  
tanccagtag ttggctcggg ttagtgcaat cagctccacg tcatactgca ccaactgcatc 240  
cgctggggaca gatgggtggaa atccccgttt tccataggcc aagtgagaag gaatgattgc 300  
ccttcgcttc tctcccacac acatgtcagag aagactctgc tccagacctg gaatcacctg 360  
cttttgcca agttctataa ccagagggtc tctgggtccag ggaggtgtca ataatacgtc 420  
catctaccaa gcttcccgtg tagtg 445

<210> 2469

<211> 434

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N27186

<220>

<221> unsure

<222> (1) .. (434)

<223> n = a or c or g or t

<400> 2469

ccattcaaga acccaaaggc ttttattttt attttttcaa aatagaagta ccttttttcc 60  
ttttattata caagtaacat acttacgggc aagtcagtca aatattacat aaatttatca 120  
tgcggaaagg gaaaatcacc tataacccaa ttcctcagag ataactgctg tcagaatatt 180  
atttcagagt tctgctatac acaaatacgc atgtttcaat gggacttcc agggaccgca 240  
tggagatccc ttaagttgaa actggacaaa cagaacagtg gatgggttcta gctgagatct 300  
gggatagttt ctgaattcag aagtgttcac cagccacatt gcatgtatta gctgggaacc 360  
atatatgaaa ctacgatact ccagctnttt ctaacctaca aacacagtga ttacatatgg 420  
gctcaactta atgg 434

<210> 2470

<211> 429

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N27334

<220>

<221> unsure

<222> (1) .. (429)

<223> n = a or c or g or t

<400> 2470

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gccaggtcga cgccctggg gagacagtgt ggctcggcag cctcagtggc ttctttgggg 120  
tgcaggaggg ctttgggggt aaggctgggg aggaacagga agtaaagtgc ttgcaggggc 180  
cctcggcttt ggccaagcca ccctccctgc tccggggcgg gccagacgga acacccctgg 240  
gctgtgaaac aggactctcc agggcccagc aggcctgggt gaggggcaca tactggctgg 300  
caggcatggt tccaacacc cgcagccacg gaggtctggt cggggctggg ggccggattg 360  
aggggtgagt ccagaaccga ttgtccgctg attgtctgct tgtctgggtc gtggctgtgt 420  
cggctcttc 429

<210> 2471

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N27524



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<400> 2471
gcaattttct atttttattt ttttaagctc atcaactatg gttagtgtta gtgtgtttta 60
catgtggccc aagaaaattc ttccaatgcg gtccagggaa gctaaaatat tggacacccc 120
tgcctagggg aacttgtttc gtctacttgg ttagttgtcc taattgcatt ttacctgcag 180
tccaaagggtt atttttagatg atagaactgc aagaacccca aacccaaaga aagaatcggt 240
gaagtgggtt ggagaggagg tcatttctga gatacatttc caggagaaat acaagtttga 300
gagaaggagc tggtagttac tgtgtgcaag tgtttttctt tgatggggaa ggagtagttg 360
gcaaagggac aggaatctgt gtgtacattt cctgctcctg tttccttaac caccatcctc 420
agggcatctc tgggcacctt ggggt
445

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```

<210> 2472
<211> 437
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N27563

```

```

<400> 2472
cagggcaggc gacctaatgt aggaaactta ataaaccctt gcattgatat aatgatctgt 60
caggttttca tttgaacagt tctccaacat tctctgaact gccaaataaa ctgaatctaa 120
gccctatttt ttcttatgct aaagtgtgaa tgattctgga ctatcttact gggaaaacat 180
ttcctaacaa tgttttttaa agtcataagg tcaaaactgc agttataaga aagaagggtg 240
aatgcagtgg ctcatgcctg tagttccagt gctttggaag gctgaggcgg gaggactact 300
tgaggccaga agttcaagac catcctaggc aacacagcaa gacctgtctc tacaaaaaaa 360
aatttttaaa ttagccaggt gtgacagtgc agaaagggtg ggtgagagga gcacttcagt 420
tcaggagttt caaggct
437

```

```

<210> 2473
<211> 513
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N27670

```

```

<220>
<221> unsure
<222> (1)..(513)
<223> n = a or c or g or t

```

```

<400> 2473
ggtgttcgag aatgggaaat gcagttttaa gaaaaatatg attatgtagg cagactccta 60
aaaccaggag aagaaccatc agaatatata gatgaagaag ataccaagga tcacaataaa 120
caggattgaa ctttgtaaac aaccaaagtc aggggccttc agaactgcaa ttcttactcc 180
ctttcacaga ctgtccggag tctttgggtt tgattcacct gctgcgaaaa acattcaaca 240
aattgtgtac aagataaatt aatctcacta tgaagatttg aataactaga cattatttat 300
gctgccaaac tcatttgttg cagttgtttg taatgtctag tggggcttca tcactctgga 360
aagaaggaga caggggattt ttttaaagag caagaaagtc accaatatta cttctttcct 420
tccttttttc ccttctttcc tttcctcctt tctcctttcc tttccttttt aaaatatatt 480
ggagnccacc aggatatggn atttgctacc cca
513

```

```

<210> 2474
<211> 483
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N27834

```



<400> 2474  
 taatgttcaa gatttttttt ttctttcttga gcttgccctag cttagcttca ttgtataaag 60  
 ttaaaacttca tttcttttaaa ataatacaaaa gccatcagag tttagtaatt gtattctttc 120  
 tttagttatt tactttatcta ataagaactt tatgttttagc ccatttcctt taacttaaaa 180  
 acaaaacttg ccttcattgt accaaattac tcttcacaat catggttcat ttaattctgg 240  
 gggttgtcag gagagagctt aattaaacca gtatgaactt agatttccag agccaagtgg 300  
 tttcggccttg cacatcaagc cacaatcgtg attttccacc agccatgttt acagtagcca 360  
 aatatcctcc tcaaaaatgtc ttattgtagt cagaattggt gtggtaaaact aaatccttag 420  
 taggaagtca tatcccttca aaaatctaag atgaagtaac tataaaaaga cgtgtgaaaa 480  
 cac 483

<210> 2475  
 <211> 473  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N29319

<220>  
 <221> unsure  
 <222> (1)..(473)  
 <223> n = a or c or g or t

<400> 2475  
 atgtcttcag aagtttaaca gtgatacaac tttggcacga tacagattaa aacaatgtcc 60  
 ttagaaaaacc taagtacaaa gaaaatcatt ctctctctcc tgcttgggtg cacacttcct 120  
 cccgaatctc agccataaaa agtccaaccg ttggcacaga tcgttctcct gggtatacat 180  
 taataaaaagg gcttaggatt ttatggatgg ctctatataa aaaaaaagtc cttgtttgtc 240  
 tcacgtctgg ggcataattgg tgggaactgg ctgcaaaaagt cttcatggag ttccagagat 300  
 agactttgcc tccaggaaat ctgagtcctc tccctggctg gcaccactaa ctagtatata 360  
 agtctaaggc atgtggctgg aacctcacta aagcctcagt tttgtaaaat aggggataat 420  
 aatagttgcc cttctcccn tactctaatt aggcaatgct acacaatctt ttt 473

<210> 2476  
 <211> 474  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N29353

<220>  
 <221> unsure  
 <222> (1)..(474)  
 <223> n = a or c or g or t

<400> 2476  
 caatgtagct atttattata tttttaattg gtatttctta atctgagaaa gtccatatat 60  
 tcaacattta tttcgctcta aataatggga taacaattac attaaactttt gatttatgtt 120  
 ttactgggtca tgatggaccg actactataa caagcaaccc caacatttca gtgaattaat 180  
 acagagttta ttgctcattt caggtcacag ttcagtctaa taatgtattg ggtggaggaa 240  
 gatgggatct gtcctatgca gtcatttang gaatctaggt tccttccatt gtgtgatatt 300  
 atgatcttta ggcgttggcc cccaggttct tgtagagagg aacagcagag aggagaagcg 360  
 gaaaggagcg caagaaatat tattccgatg ttgtaccca gggacacgga gaagaacaat 420  
 gtttgttgat gacattagtg ctgtctgcta tagtattttt cccaactga ttag 474

<210> 2477  
 <211> 289  
 <212> DNA  
 <213> Homo sapiens



<220>  
<223> Genbank Accession No. N29484

<220>  
<221> unsure  
<222> (1)..(289)  
<223> n = a or c or g or t

<400> 2477  
agagggttgat aaatgctttt aatccccaca ttccacacac gggggacgct gtcattcaca 60  
ttttcatatt tctgttctgg tcgcagtctg tgtcctcacc accctcatga atgagggact 120  
ttgatagatg cctgggtttg tgggctctgc ggtactggga aggagatata caaaggggtcc 180  
tcggaggagg gtgtgggana gctttgaagg ggacaaccac tgcngacacc tggagggggag 240  
ctaaggggaa natcctgaga ctttaangag acattggaat ggcttgggc 289

<210> 2478  
<211> 485  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N29543

<220>  
<221> unsure  
<222> (1)..(485)  
<223> n = a or c or g or t

<400> 2478  
tcagaaatTT tcaattttat taatattcaa tttacgtaac aggctcaaat tttattaatt 60  
gaattctgca tccatacgaa tttagtctta atttataaag caacttactt cgatactctt 120  
ccttgaagta tgttataaaa tacaacgttt aaataaacat cacaaaaata ttgtttgtcg 180  
atcatttttg tgactttaac agagaaatct tcaagtttat aatccactca ttcttgctta 240  
cagccagaca ctacataaat ccttaccaaa acaaaacaaa cccaggtagg ttcactgtta 300  
cccctaggta tgcttcggtg gaattcacc agagaaaccc attttccctc taacgggagtc 360  
caattacttt ccattctcta caggcatctc aaaaatggac tataataatg gccatgtggc 420  
tttgggggga ctctgggaga aaaatggaac atttaattaa agggcaatag ttggttcaaa 480  
cagng 485

<210> 2479  
<211> 394  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N29740

<400> 2479  
ggaaataagt caaagcattg tttatttatg acatattttac atattttacaa aactgatttt 60  
actcaatata tcatcctgcg taatatcata aaatgaacac catatcctgg gaataaaaaat 120  
ccatattttct taataattta tgtatagccc aactttttaga acatagaata ttatcaattt 180  
ggcttcccaa actacaaagt cctgtttata attttttcta gccaaaggaac agagtagatt 240  
caacagcata ttaaagtaat ttagttaacc ctgagtaatt actaacttgc ataattttga 300  
atggatcgta tataacacac tttcatctgc acttagatac ttatactatc acactacctt 360  
tttgtattta tccacctcaa ttttcaactt catt 394

<210> 2480  
<211> 399  
<212> DNA  
<213> Homo sapiens



<220>

<223> Genbank Accession No. N29742

<400> 2480

```
cagaggatct ttacatgttt attaaatctg aatttgaaga tacattccaa tcttgcataa 60
agtgtttgtt gggctttttac attacgtaat taaaaaacaa aattttttta ccaattttat 120
gtgccatgtc acgttttaatg ctatcttgtg tgaccagatc ccaccagtaa tgacaaaact 180
gtcttaaacc tcattttttt tttttttttg agacaagagt ttcactcttg ttgcccacaa 240
gagagcaatg gcaccatctc gactcactgc aacctctgcc tcccagggtc aagcaattct 300
cctgcctcag cctcccaagt agctcgggat tacacgcatg cgccaccatg cctgggtact 360
tttgtatttt taatagagac aggggtttctt catgttggt 399
```

<210> 2481

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N29764

<400> 2481

```
atctgtaata gtttatttta aagactttac atttacaagt agaaacaaca tgtgttatct 60
gtgggtaagg tagagcagga actctaatac aagggtgggg gagatcagtt gggtccttca 120
cagaaaataa gcctgttgtg tgggcatctt gcttgccctg agatctttgt tcccagttca 180
ggagggtttt attcagtgtc tgcttcattt actggaaaag ttcactgggc ccacctgtca 240
actccttccc ccacagcttc cagctcagca gcaaactgta gggaacagat ttactcccca 300
gttcctactg taaataatgc tttagaaca gcattccttt tggacagtat gtcatagacc 360
caatttttaa tactccca 378
```

<210> 2482

<211> 271

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N29888

<400> 2482

```
ttaaaacaca ttaaaaactt tattgtaagt atcaacatct aaatttgcac caatttgata 60
catcgttgct cattttgcag aacataacag ttgcacattg caagagtcaa cttgcttcgg 120
gtcttttcat gctcatggcg gtccaccctt gccttccttc tccctgacct gcacctgtc 180
ctccacagtc tgccctgctt cctgtcgcca caggttgaag acccaagccc tgaggagAAC 240
ctgctgccag ggggtgggtt ggctgcgagc a 271
```

<210> 2483

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N30436

<400> 2483

```
ctttaatat gaattttatt tctggttata gaaacaaatg ctaagaggag aaacaaaact 60
tccccatcca catacaacaa tttaatagat aaaagaacag ttaaaataaa tgaaaaacaa 120
aaagtagaaa ttttaaaact tggtatagct ttaaaacatt aacgtctgat acaattagaa 180
atcacattca gatctcaaac tcttaaaaaa aagtatggct cttatttaa aaaatactgt 240
atcccacttg aaatgaaaac acaggttgcc tgctgttgac atgggtgggg ctgtcccttc 300
ctctggtgtc gtgcgtgccc cctcccggtg ctggggtgca gccacacccc ccgcgcgggt 360
ttctgcactt gtccctggggg gacgggggac tctggatggg ggccacgggc ggacccccac 420
```



tccactg

427

<210> 2484

<211> 585

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N30856

<220>

<221> unsure

<222> (1)..(585)

<223> n = a or c or g or t

<400> 2484

```
gattaaaaag agaaaatata ctgtaaaata tttattttaat aaaaataatt ttataatcta 60
tacagaattg aataaaaagt acaacaaatt attttcactt atttacaaaa ctgcatacag 120
tacaacttgc acattgagtt cagcattcta taaatatggc cacataccaa gatgtgaaca 180
tattcttgtc ttatataaga aaaggctcag gttgtatgcc acaaactttg aattaaattc 240
cagggaaata ttgctttggt aacatgaaca atttgtacca cattccatta aaaaaagatt 300
taataaaaatc cctcaaacag cacttttcta cttgtttcgg agtacacaat tcccaaatta 360
gcacaaacaa aacaaagcaa aaaaagaaaa acagacagaa tgtaaaatgn aggttgctac 420
ttttatgata tcacttcctt tcccttcct tagctagtgg tcctttccct tcccctaata 480
gtaagggtag gngaattgaa atggcctatt cctatcccca tccatttgcc tccaggatcc 540
ctgcttaacc naatgnggta tggtcgnctt ggccacctgn cacc 585
```

<210> 2485

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N31570

<220>

<221> unsure

<222> (1)..(408)

<223> n = a or c or g or t

<400> 2485

```
ntgaaaaaga ggtgcttttt actctagtat tccttgttct gggatcactt aatcactatt 60
tcgatgatga aggaactctg aactcctaag caaacctatgc catgacatac tttatatata 120
tgcacaaaag ttggataaaa cacaaaacca gcattttgac aaattcactt taaaatgttt 180
tccacatcaa ctacttaaaa gaagttacag caatatgata ttccactgct caggaagaca 240
gagtgaactt ggatgatgat aatattaaaa acaaacatac agagcacctg ggtctggact 300
tgtgggctaa agaaatgctt cctgaatttg tccgaggtga tgtgttgagc aaccgtgcca 360
cagttcacca gcagtgaac tctagttctt cagtatatte ctgttgtg 408
```

<210> 2486

<211> 412

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N31597

<400> 2486

```
gttaaatattt tttatatata aaagtggcat gaacttttta tgtagaacaa aaatcttggg 60
aaggcaaaat tggataaaac cattaaaaca gaaatagagt gcttcaaag aatcccatca 120
ccttgtgatg tcccttatta acagtctcta aaccaatacc agataccaga acagtccatc 180
```



```

ctaaagaacg agcagcagtc cagggcctcc acgctacttc atgcaataac tgttttaaatt 240
aagccagcag gacctgtttc ctttgtataa gctacaactt ctgaagcatt acagttcctc 300
tagcacggtg ctcaatcaca gcacttggag cacctctctg cataaaggca aacaaaaacat 360
tgcctaagga ccctgcaatg ccacccttgg agggcttaca aaacagtagt ta 412

```

```

<210> 2487
<211> 422
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N31598

```

```

<400> 2487
taaagatttt tatgtctttc agctttggct attttgaat aaatatcata cttcttcaca 60
taaacctact tgggtaagaa tgatttctct gcacatgcct ttttttcttt tagcagctgc 120
tgagtgtttg ttgagtgcag tacaaggcac acctccaagt gttctgtaca gcatTTTTat 180
tgatgtacaa aatagcctgt tcaccattca aaaacgtaat ctgcatagta agagtttctc 240
ttatccctat ttacagagaa ggTTTTtagt gcaaaaaacat gaaattgtgt cccagccac 300
cccttctagc acacgcattg atcagttttg ttccatgctg gccggggggt atttggctat 360
attttgggcc tccagccatt aatgaattgc attatcttct tcacctggca atttgctcaa 420
tt 422

```

```

<210> 2488
<211> 276
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N31741

```

```

<400> 2488
tttttttttt ttttggcgac atagtatttt attttcttag aattatgtcc agctgtgaga 60
aagccaggtt caaatTTaaa tcttttaata acctgtccca gaattactaa caatgagact 120
taaacaaatt ttgatttTgt aagaaaaacat gaaaaaagtc caaaagaaac cccctcaaag 180
ggcccagtg tcaacagttc ccctttggag cagctcatcc atctctcagg tgggggtcct 240
ccggcaggca gcttctctgt tggcgccagg tgggtc 276

```

```

<210> 2489
<211> 568
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N31952

```

```

<220>
<221> unsure
<222> (1) .. (568)
<223> n = a or c or g or t

```

```

<400> 2489
cagtgaaaat acaactttat attaatcatc tcaataatac agattacaga actgagttta 60
cagattacag aacttttcat actttgtggg tcagaaagga taaccgtaaa ttactgtctc 120
cgctttatgg gtggtaaaac tgagccacag agaaatttct ctaagaaaat ttaaaaggaa 180
ttgatgttca ttaaataaat atcctcactg atttttttaa ggtagaaaag tacaatgcac 240
agtgttaaaa aaattactgt aacagcctca tgttcgagaa gtctaaaatt ttaaggctac 300
tacaatgtgt aattttcagt acatgtccaa cagaaaacat cttttattcc agttacatcc 360
tgaagatacc gaagtcagtc ttctctattg gtgcgttgag ggctgcacta aaactggaga 420
cccaagacca gtctgggtgc tgctgggatc aatgatccca tcatcccata cccctgcgct 480
gggaatagta aggggttccc tctctttcca acntcctaata ggatggggcc cttttaaagc 540

```



cgcttcatca gcactggggn actgcttt

568

<210> 2490

<211> 363

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N32071

<220>

<221> unsure

<222> (1) .. (363)

<223> n = a or c or g or t

<400> 2490

```
catttaggaa attgcattta ttgggttaag ttcaccctgc tattcccagc cctcatgcta 60
taatgatctt tcctttttgca aaggaataac acagagcaag gaagtctgct gaaacttctg 120
agatcctcag aaatcaagag aaaccacagt cgctttttctc cgatctccat ccacagtgtt 180
ggagaggatt tttcagcacc attccgagac ctggaaaagg tgatgaactg ctttgatttt 240
tctacttctc catacatttg gccaaaaagg agcaatcctc ctggctagaa aaggggcatg 300
tcctgctttt tctctgaaat cacaatatta gcagagtggg ttcagttccc tngtgccac 360
ngt 363
```

<210> 2491

<211> 478

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N33009

<220>

<221> unsure

<222> (1) .. (478)

<223> n = a or c or g or t

<400> 2491

```
gcgaccgaca cgtcctccat gtccgcgcc agccggntct gcgccgctg cagctccttg 60
gacagccgtg cccgcgtctc ctccgccacc ggggtcagtt gttcctccag ttccgatttg 120
taggccttca actccttcat ggtctcgtcc atcagcgccc tcagttcctg ggtgacctgg 180
gagctcgagc agtcctcct gcacctgctc agacagtgtc tgcaccagc gcaggtaatc 240
ccaaaagcga cccagtgcc gttcccagcg ctggccgctc tgccactcg tctgctggcg 300
cagtcgnggc tccggctctg tctccaccgc ttgctccacc ttggcctggc atcctgccag 360
gaatgtgacc agcaacgcag cccacagaac cttcatcttc ctgcctgtga ttggccagtc 420
ggctcctggg gaaggacgct cttcaacctc gtgccgaatt cttggcctcg aaggcaaa 478
```

<210> 2492

<211> 466

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N33920

<400> 2492

```
atcaaagaaa catagagttc gggcaatata cttcatccta cccatccac ccaaatttta 60
ctctactcat ctcatcttca ttaatttttg gaaatcatca gaagatgtgt tcgttgagta 120
agagattaaa agaaataagc tttttgacct ctgccaacac cccatgcca ggggtggcac 180
cctccaatac aataacatgc caggaagagt aagttgccct ttctgatgcc gtaatctgcc 240
atcatcttcc catcttccag tctcctttcc attgcaagtc acaatctggg tctcagggat 300
```



tatacccgtc ttagtctcga tcattgcttt cacttggtgcc actgagctgg accttcgcac 360  
 ctgggaggag gtgcctcttt gcctcatcac ctgactccac aagaaacaag ggcagctcct 420  
 catcactggg gcttcaccac tttcaggggt aaggtgggat ggtctt 466

<210> 2493  
 <211> 360  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N34017

<220>  
 <221> unsure  
 <222> (1)..(360)  
 <223> n = a or c or g or t

<400> 2493  
 ttgataacaa tgatgaggtt tatttttgtc aaaacatcca agggaaacat taattgttgt 60  
 ttgtcaactg tgaacttcac actacattgt ctaaggatag aaaattgatg ggtatcactc 120  
 ngtcagaaaa tcctcaccaa gaagccaatt caaggaatat gaaattgaca agcctttcaa 180  
 acanaagatg tgttcggact tcaactgatgc gatggtaggt cttttgggtt acaantagat 240  
 agggatgata taaaacacaa tcttttcctg tctattccat tttagaaacc ggtggngtg 300  
 cacacgttta gtctgggcat tgcagcacng cacaacatac atgnattaaa gcnaagcata 360

<210> 2494  
 <211> 510  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N34257

<220>  
 <221> unsure  
 <222> (1)..(510)  
 <223> n = a or c or g or t

<400> 2494  
 accttttacc cttgggtgctc caaatcccc atctaggaaa gaaaattttt tcaagtcaaa 60  
 taacattgat cacatattcc ttgaaatcat ttaccaacac tgtatggagc attaggattt 120  
 aaatatgaat ttgtcttaaa ggcaattcct ttttgcttct gtattatctg gaaaagcatg 180  
 agagaggtga cacctcaaca aactgatcag agaaaataag cagttactac cctgataggc 240  
 accttcccaa tcctgttgct tttgaccatt gtctgtccaa cggnacacct caaacaacaa 300  
 aaactaccaa atagatgaca gatcagaata aaggtgagag gtctgggtccc cattgaaggc 360  
 tgctacagtc ttcaaagagg tgaaggagtt cataagagaa caacagtagg aaagttgaga 420  
 gccaaagggtg ggagagttgc ccaaaagact tcccctacta ctttagggta ctgaaaactc 480  
 aaaggatcag ctacagcttt atctaagttg 510

<210> 2495  
 <211> 465  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N34441

<220>  
 <221> unsure  
 <222> (1)..(465)



<223> n = a or c or g or t

<400> 2495

```
gagggtttttt acttttttatt tggaaataag acatggaagt tgcaaagata gactactcct 60
atgtatttcct ccaacttttc ccaatgataa tatctcacac aaccatagat tatcaaaacc 120
agaaaactga ccaggcacag tgggtgtgcac ttatagtccc agctactcag gtggctgagg 180
tgggaagatc ccttgagttc aggagttcaa ggccagcctg ggcaacacag tgagaccctg 240
gctctataaa caaaaatggn agaaaaccag aaaactgggtg tcatcaattg tgtttaagga 300
aaccgaggct cctttaaaag tttgttataa aattatagat atctcctaaa tattgagggtg 360
gaaagattcc cctgggaagc agcctagtcc agaaagttga agacagtga atcccagata 420
ggttaatact tctggccagc accataatta caccctcct tnggt 465
```

<210> 2496

<211> 503

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N34804

<400> 2496

```
aaagaattac cataagtttt atttttgctt agttttatta aaaaaataaa tatgtcataa 60
agctttcttt ttccttaggg agaaaaaaag gaacaagtct cataaaccce aataagcaat 120
ggtaagggtgt cttaacttga aaaagattag gagtcaactg tttacaagtt ataattgaat 180
gaaagaactg taacagccac agttggccat ttcattgcca tggagcaaac aacaggatta 240
actagggcaa aataaataag tgtgtggaag ccctgataag tgcttaataa acagactgat 300
tcactgagac atcagtacag atacatcttg cttaaacaac acagaagttc ctgaaaagtt 360
ttgtgtaaat gatataacca caaacattac caggagagct tgggtaactg aaagaattcc 420
atggcgaatt cctttggtga acaactactt tcacttttgg taaatccagg tatttgcttt 480
ttataaggag ttacactagt tgc 503
```

<210> 2497

<211> 455

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N34825

<220>

<221> unsure

<222> (1) .. (455)

<223> n = a or c or g or t

<400> 2497

```
gacattataa tgtagttagt gttttatttc agtgcagtta gcacatgggt atgggtttatc 60
tagagttaca gactttgtaa ggtttgcagc tcagggcagt tcttcaccgt tggcaaaagt 120
tgaatccggc gagggctggg aattcacctg ccctccactt tcagctgcct ttgggttagt 180
tttgtctgct gctcttcaat gaccgtgtca cctgttggct tcagtcacac cagctctgac 240
cacatgctgg gatctgggct ggaacctggg cctgctgag gtctcagtat ccgtggcagc 300
tcagggctct tgtaaagtga tttgtgcctg tagccaaggt ctgaatgaaa gggcacaaac 360
tgaactttga agtctcgaa gcttcgagct ggtgcngcga tgctatagag ctttctgcca 420
agctggaagg ggaccaccgg gtccgtcctc agcgt 455
```

<210> 2498

<211> 302

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N34919



<400> 2498  
gcatagccaa tcttttcatt tttattgctt taacacacat ttttaattttc agttgaacaa 60  
attcttaatg agctacagag tgacatgagt tgaaattaga ataaagtaaa ataatactat 120  
ataacaaaaa caaacccagt gttacatatg tgaaataatg caattaagag cacaactaaa 180  
aaaaatcatt gattcagtta aacacaaaaag acatgcaggg tctcaaacia ggagtatttg 240  
ggcttctatg tcaatgtcat aggaaagagc tttttctatt tctggataaa tatttcattt 300  
tt 302

<210> 2499  
<211> 474  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N35247

<220>  
<221> unsure  
<222> (1) .. (474)  
<223> n = a or c or g or t

<400> 2499  
agtaatttac aatttttaaaa aacagccaca aaaaagtcaa agctaaaaac aagatttttta 60  
ctatgaatca gtgcttctat tctcttctg aaagaagtta tattttaatg tgatgtaaag 120  
gcaacattga aatttcttct ttaaattaac cacctaattt atocctaaaa ttacaaagaa 180  
tcagtctttt acaggtcaag tgcagtaaac taaaatgttc tctcagcaca aagcagcact 240  
agaaaaagta acagttatag atgggagttg actagttttg cagtggctgc gcatcaataa 300  
caaacagaca tcagacggta tccatcccag agcacagaca ctactacaga ctagatgcga 360  
agaatgcgtc acactcttgg ctgataaatg tcttttgtct ttgactcttt ctagtgtgaa 420  
tgaagtggat tttttaaaag tttaaatcag gtcacataag ttgggctgcn taaa 474

<210> 2500  
<211> 439  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N35376

<400> 2500  
gaataaaggc atattttaata aattagggaa catcttaact tctaatagac tgggggaaat 60  
ttttaagttt tctatgtaca caaaggcagt gggaacaaat gaaaaaaaca aattactaca 120  
ttgttgcagc acattaaaga ctggatgggt tatattattc acaattacat cctctttccc 180  
atagcctggc agaggaaaagt agttaccaag cacaggaaca atttcaacat ctcactggag 240  
tctccaaaag caagcagata ctgcaggatg tcattaagca acttactgtc acttcacacc 300  
atatgtggca gtaagaaact taaaaaaaaa attaaaaggc acgcataagc tgatttcaaa 360  
tattttaagt ccaggctact ctcttttagat acaatgtttt gaacacttgt atagaacagt 420  
ttttaaaataa acattttcca 439

<210> 2501  
<211> 423  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N35493

<220>  
<221> unsure  
<222> (1) .. (414)



<223> n = a or c or g or t

<400> 2501

```
gttaaacatt ttatttatgt ggcactctga aacgagcaac ctatgaaggc ataaaaataaa 60
aagatttttt ttttaactcg ggaggtaaag ctagatatat caattaggaa ctgattcatg 120
gtgtgatgta cagcacatgt tgaaagaatg ccaaaaaggc gcaaaccatc atacattaat 180
acaaaggaca aaaacaaaaa aaaccccagc atcttcttgc tatgaggcaa taaggcactg 240
ctaagagact tnagcaccaa aatgattctc tacaaattcc ttccttttta tactgcaaat 300
actgcattat tatattcaaa cctttaaaaa ctaggtaata cttaagattt agagtcaact 360
tactttgtgg gaaattctat ttgctgcttc ttttaaaaac agattaaaat aagctcttaa 420
aaa
```

423

<210> 2502

<211> 337

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N35913

<400> 2502

```
aaggccgatat ctttttatta gacttgetca tcttctagtc accccttggtg gtagagcgaa 60
aagagtgtgt tgtccctctc atgcctctgg tggtcacagg aactgagta aagcaagaga 120
ctggatactt tcccatgtag aacctatacc ccaatcccga ctattgggct gggaaccctg 180
tctatgccca ttcaaagctc accatgtggg aggactgctt gggcctggga ggttgaggct 240
gcagtgaact gtgattacac cactgcactc cagcctgggt gacagagacc ctgtctccaa 300
caaaacaaag cagaacgctc accatggttc tgagtta
```

337

<210> 2503

<211> 412

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N36001

<220>

<221> unsure

<222> (1)..(412)

<223> n = a or c or g or t

<400> 2503

```
attagtgaat tagtttatTT aaaaccatca gtttttccaa tgtgaatgga ctggttcata 60
tcacaccata tttagagata caaggtgatt ataactaacg tgtctacaag acatactggg 120
tcaaacaatg tgatcaatcc aaagggtatc tttttaaaaa gaatttaagt actcagctgc 180
aaagataagt tctaataatga gattttcttt tttttttttt taaaaaaaaa aggtttttta 240
tgagtcaaat ttattacaaa aacttagtgt gtaatcaaaag ccaaatacat tcctcaggca 300
tgccagcgga acgcaaaaata atgttaatag aatgttatta aaaaataaaa ctttttctga 360
atgatataata taanacctca tggcacatta tcctcatttg gacaacngga aa
```

412

<210> 2504

<211> 506

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N36085

<400> 2504

```
ttacttgata tcaaattgac atttatTTaa aaaaggga aaagagcgt agaacagaat 60
tcacacagac ctttgattt ccaagctcct atttatgaat ggtgattaat agcaataatt 120
```



[illegible]

<211> 407

<213> Homo sapiens

<223> Genbank Accession No. N36250

cattaaaata	attcttttta	ttattgatgc	tttgaataag	aagtccattt	tactaaaattt	60
agtataaatt	atTTTTctta	aacagaacct	gtttgctgga	tctcagttaa	gttcactttg	120
cagttttcag	acacaatgac	tcatattcaa	cttttctctt	taaggattca	gtggcttgat	180
tcctgacatt	tcctctttta	gaggaatctt	atgtcatctt	ctgaaatcat	gatatatggg	240
aataatatta	agtgtcttct	cttctgaaga	tgtgattctt	ttaatgccat	gttctcttcc	300
ctctggtgac	ctgacttaga	ttgtagcagc	actagaagct	attaagagat	ttggggcagt	360
tgaggaaagcc	ttaggtaatt	gttaagagta	agaagtattt	ttaaaaaa		407

<213> Homo sapiens

<223> Genbank Accession No. N36432

<223> n = a or c or g or t

gaacgcacag	gccgtcgcta	tgagcggnaa	ccaccctggg	cacagcaggc	atcggaggtg	60
aggcgggggt	gcagtgactg	gtggccgcaa	gcccttcctt	ggggagtacc	tgatggctgc	120
cctttgacct	ccggtggctg	ccctttgacc	cccggtgtg	ctctcagcgc	aagtggtcct	180
agaacaggat	tcttttttga	aatgtctgtc	gactggacct	tgggtggattt	ggaaatggaa	240
ctgagggacc	ggtgacacgt	gcttcagacc	ggtctggggg	gcggcgcaac	ctgggcccg	300
ccagntccag	ctcggcagca	gctctgaggg	cagctcaatg	aaaaagtga	tgcacacgcc	360
cttgttgcg	tggcctggca	tggcctgggt	ctatcggcag	ccgctctcca	ctccccgact	420
gatactcaat	tacgtgaagc	caagaaagat	gatttttaga	aacctttgcc	tatattaggt	480
tgtacttatg	tacatatatt	gccagtgttt	cacaggagaa	agtggnccta	actgccccct	540
attccccntc	caagttggna	aaaaaacatg	tgtttaaanc	aaagttaaac	taatgtttga	600
aaaccacagaa	antgaaccc	g				621

<213> Homo sapiens

<223> Genbank Accession No. N39099

<221> unsure







ccggata

547

<210> 2510

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N39237

<220>

<221> unsure

<222> (1)..(445)

<223> n = a or c or g or t

<400> 2510

```
gaaagtttaa agatcaggag attttattta aaagctcaga tgttcaattt ctcatgagaa 60
atcagaagat ctggtgtntc tgggcccaca ttctgcctgt ccgctgtgga ctggagtgga 120
ggacagctgc ccttcacgcg gggcccatcc aggtgtttga cccagggtgt atacccgcca 180
gtccctgaca gcagttggct ttttgctctt agtacctgta tctgcacctt aaatttgcca 240
cgacaaacta ccacaaactt aaaacagcag aagtgtattc tctcctggtt ctcaaggcca 300
gaagttagaa attaaggtgt cggcagggtc acgcttcctc caaaggctct agagagaatc 360
agtccttgac cgtcccagtt tctggagtcg ctaggcattc ggtggcttgt ggcagcataa 420
ctccagcctc tgccctccatc tgcatt                                     445
```

<210> 2511

<211> 330

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N39254

<220>

<221> unsure

<222> (1)..(330)

<223> n = a or c or g or t

<400> 2511

```
cataatactt ttttttatta caatatccaa aaaactgggt atgcaagttt aggggatctc 60
aagacccctt cttcaatcgt aggaatgtgc catctcaaga cgttatatat aaactataaa 120
gaagttcaaa tgtaaaggna aaagaaaatg caatttcctc agaaacattc tgtgtgtcnc 180
ttactaccan tcacatactc ntttgtaaac cctgaaaaat ttccctgtna ataatatata 240
ncctatatag tgtgtgtgtg tgtgtgtgtg tgtgcacgtg tgtgtgtgta taaagtgttg 300
gtagctccct tcccaaaga tcagcngttt                                     330
```

<210> 2512

<211> 236

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N40188

<220>

<221> unsure

<222> (1)..(236)

<223> n = a or c or g or t

<400> 2512

```
tgcttcccat attgatcctt tatattccta aatttattac aattttaact angagatcat 60
```



gaaggtaaatt tgtttcataa aactaaaacc aatgtatata cataataact tgagtatttc 120  
 ctggtttgta gcgaccatcg atagcagggt atcncaaaat gngcactgat gacatttgga 180  
 cncaataatn ctttgttgta gaaagttata agatatatat attttaaact atgcta 236

<210> 2513  
 <211> 493  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N40320

<220>  
 <221> unsure  
 <222> (1) .. (493)  
 <223> n = a or c or g or t

<400> 2513  
 cctggattaa aaggatgatt ttttaagctct ttagtcaaga gacggtgatg aagtttgtgc 60  
 cgcggtacag cctcgtccta gaactcagcg acagantagc cttccggaga agcctgcatg 120  
 atcccgatgg gctgggtggc acctacatca gcgagggtgca cgaacacgat gggcacctgt 180  
 acctgggctc tttcagggtcc cccttcctct gcngactcag cctccagntg tnttagccct 240  
 cccagatagc tgcccctgcc acgcagcaca ggagtcttca cactcaggca ccaggcctgg 300  
 tccaggagga gctgtggaca cagtcgtggt tcaagtgtcc acatgcacct gttagtccct 360  
 ggagaggtgg tnggaatggc tgcttcattc ctcgaggatg cccgggcccc aactgggctt 420  
 ggtctttcct ggtttagagg aaagtgtaac atatctgcc tangaacat aaattcatgt 480  
 aaagccattt tca 493

<210> 2514  
 <211> 451  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N42272

<220>  
 <221> unsure  
 <222> (1) .. (451)  
 <223> n = a or c or g or t

<400> 2514  
 tacatatattc ccgggataag atcaccaggc caggagcgac natnggaaga aaggggaagg 60  
 gctccccaac ttgacaaca acaatatcaa gggctctttg ataactcatt ttgatgtgga 120  
 ttttccaaaa gaacagttaa cagaggaagc gagagaagg atcaaacagc tactgaaaca 180  
 agggtcagtg cagaaggat acaatggact gcaaggatat tgagagtga taaaattgga 240  
 ctttgtttta aataagtga taagcgatat ttattatctg caagggtttt ttgtgtgtgt 300  
 ttttgttttt attttcaata tgcaagttag gcttaatttt nttatcta atgatcatg 360  
 aaatgaataa gagggcttaa gaatttgtcc atttgcattc ggaaaagaat ggcccagcaa 420  
 aaaggtttac taatacctcc tcccctttgg t 451

<210> 2515  
 <211> 575  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N45224

<220>  
 <221> unsure



<222> (1)..(575)

<223> n = a or c or g or t

<400> 2515

```
gacgggtcttc aggttttattt cttaaatacaa ttaggaaata aaaccacagt gcccaggaaa 60
gttcacatga gacgccacgg tgtctcttgc catggcccca cactccagg ggccaggggg 120
tgctgctgga gggaggacag acggacaggc ggcctgggtt ggcggcccca gaaaggctgg 180
cgtggatgtt cgagatgagc caccagcgaa ccagtaggga tgtctgggcc gtccctgggtg 240
gattgtctgg gacatcgcca ccaacacggg gtcagagcca tcagtgggga catcggaggg 300
gccaccacca ggtgggggtat attcaacagg ctagaacccc tgaggcttga gaggccaacc 360
ccgggcagga gacctcccct gacctctctg ctgcctctcc tgtgggacct tccagtagac 420
acaccagatg aggacaccca ggaggcctcc tcccaggaca ggaggcagct ggctgggcag 480
ccacgcattc aggggttcagg gccctccagc angagctcca tggagatggc taatggggac 540
atcaagcagg ggctacagtg gtacatccag tgggtc 575
```

<210> 2516

<211> 687

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N45232

<220>

<221> unsure

<222> (1)..(687)

<223> n = a or c or g or t

<400> 2516

```
tgcaaaccaa accaaatcat tttattgtgc aatttccttc taccagaaaa ttactaaaaa 60
tataaatatt aactctctaa aaaatactca gaatagatct gtaatcttcc tctctctcct 120
cagaactgga gccaatcttc ttcttttaaac ctgatggatt gcatacatgt atgtcttcca 180
tatcagccac atacacaaca ttcagatata ctccgtctg tgcaggggga tacaccagcc 240
tcctgccagg ttctggaagc tcaccttata atctaccagg ataaagctgt gtgctgagta 300
ggaggttatg gtgggggttg ggagtaacaa ggagataaaa gaccttgtgg tcccaacttc 360
cttatgtgga cagagaagat aggtccttta ctctctctca ttacctgnc ctctcatgga 420
ctgggctaac tgaaggccaa gctcccagag aagctggact cactgtgcgg gattactgag 480
ggtgtggctg ccaggctaca gtcacaggaa ggcagactg ttgagatgga catggaaacc 540
aggtgaggct ttggatgna agctggctg gggcaaagct ctgcaggatg agtagtagct 600
gttccggcgg gntttgggna gcccagacc ctaccaccag gtactatgtg cagcatctaa 660
gaccagnacc agtctccaag agcccc 687
```

<210> 2517

<211> 412

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N45307

<220>

<221> unsure

<222> (1)..(412)

<223> n = a or c or g or t

<400> 2517

```
tgcacggcng ataggctttt attacagact gngggcgnta acngctggac agagaacgga 60
aaaggaacat ctnagaccag gctcaangct nnggggttac acaacctcca ataacacaag 120
gtgagtgcag cacttctaga cacacacaca gacacacatc atttactcat aaacggcaca 180
gctacggtag aagaaaaagg gcaaggtagg taagggcacc caacaccctc ctgcctgcag 240
gggccacagg gttaatgtgc cttcctgcac gcaggcttaa gagggataaa caaggagagg 300
```



gctgcccttg gagaaggcct gcggataata gtgactgagg cacaggtcca tgcaggggaa 360  
ggaagcacag ttcacagagt nggcaagctc aatggccagc catttgccaa gc 412

<210> 2518  
<211> 529  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N45320

<220>  
<221> unsure  
<222> (1)..(529)  
<223> n = a or c or g or t

<400> 2518  
gttataagct ttttcttttt tagaatttaa gcttatgagt ttatctacgc ccactatatt 60  
cataattaca gttttatata tgcatacaaa agctatgtaa aaatccattt ttcccaaata 120  
tacaaatttt ttttgatag tttaaaacat tttcgatcac agatttcaac agagttttag 180  
gctgaaaaaa atatcaccat ctagcaatat cacttaacac tgtttgcaaa acacaaatct 240  
tccaatgact gtaaattctt ttctattctg tagtattttt ctgaattctca gggcatgaaa 300  
acattatggg aaaaaaaagg attttctacg aagaaagcat ggagaactaa tttggctcta 360  
tggtcaaatt aaaaatgcc aagtaataag ggagaaccaa aagaaagaag tggcataatg 420  
tcacatcagc tcattcatgc ccggataatt tctgtatcaa caatacatat gtaaagtggg 480  
cnccttttgg nctacattgg ggcncctaa ttncatgng tattancgg 529

<210> 2519  
<211> 389  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N45998

<400> 2519  
acaaatattt gaatttttat ttaattttaca gcaaagaacc aggtgcaatc aacactttca 60  
tataggacaa acataaagta tttcttgagc taacagttag ctttactttt taaaagtaaa 120  
accagaactt ttattcatct ttctttctgc ttcagaaatt aacagctgct cattaaatat 180  
tcattgatgc ttgttgtaat tgtactgtat ttcactaaat aaatgtttat aacacattta 240  
accacaaaat agatataacc tctaagttta acttatattc atactaaaat gtagtattaa 300  
tttttcaaag atttttatga tgggcctaga gaggaaggta aattatgtag atggcatatc 360  
ttcccataaa cttagtgcac acctagaat 389

<210> 2520  
<211> 423  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N46423

<220>  
<221> unsure  
<222> (1)..(423)  
<223> n = a or c or g or t

<400> 2520  
acaagacttt gtttattaat aaagtaattc attatgactt ttgaaaaaaa aagtttttaa 60  
atgttctgtg tacatgtcaa tgtaggttag gccagccaaa agacaaagca aagcatcaac 120  
attaagtcac aggctaggat tatacaaata agaacaacaa caaggcttat ggtacttggt 180



```

aggtaaacac aaccaaacta aactgtactt caaatTTgtt tatataaaag catattaaag 240
ctcacttttaa aatagtgtcc atcttttctt ttaaacgggc atagactcat ttgcagtcac 300
gtacaaatat acctaataag ctttcttcat cttttaatac aagtacaatt ccttggcttc 360
tttatgcaac ctaacaaaat aatatagaat ggaagtcatt agaaaaatat ggacccttct 420
gga
423

```

```

<210> 2521
<211> 447
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N47469

```

```

<220>
<221> unsure
<222> (1)..(447)
<223> n = a or c or g or t

```

```

<400> 2521
gtgattaaca ggacttttat tggtagtaaa ctagagcaaa caatcagaat aatacatatg 60
cagtattcag tacacacaat aaaagttaaa gaaattcaaa acctgtataa aacaaactgg 120
agaaaaatca tacagcttaa gagatacagt ggtaaagggtc ctctccatcc tttgattaca 180
gcttgacttc tgtactcaat agaacttacc gcacttactg aaataagaaa taaacacttt 240
ttagtactca gcgtatttaa gattaagtac attttctaag aatcttgcaa tgacaagttg 300
gtgacccttt agctgctaaa gctaaaggga ggaaagtggg aaaagggaat taactaatac 360
tttgtaacca tttttaatat ttcttatttt ccaaactg cttttataac agaagtgttt 420
tacacttggc acaatattaa ttacttg
447

```

```

<210> 2522
<211> 463
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N47942

```

```

<400> 2522
tggtttattg tacatgcttt attaaaatgg tacttgattt tacagtatct gcagaaagag 60
tcccttccaa ggcctcacac attcagacac atccatactg acaccactc cacagcccca 120
tgcaccaca ccagtgagat gtggagggtc agactcctaa aattaggcag ctgttgggga 180
taagagttga tttgtttttc aatttttttg aaaacagaaa agcatggggg aatgcatttg 240
gccattacaa tgctaattga gtttggtgat attacatata tggcagttaa cactgtaata 300
ttccttttac attctatata cacagaatga tatcaagggt ttatgggtcaa cagaatatcc 360
caacttcagt cttaatgctg cttgtagtga tttctgaatt cattataggg gctttcccta 420
aaaataattc aagtctatgt taagtgaat aaggcacaat taa
463

```

```

<210> 2523
<211> 454
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N47956

```

```

<400> 2523
aaaatcaaag gagcaagcag tcaagatttt gttttatttt attatggcta gaaagacact 60
gttatagcca aaatcggaac tgacactaaa gaaatcctct gtgcttttca atatgcaaat 120
atatttcttc caagagttgc cctgggtgtga cttcaagagt tcatgttaac ttcttttctg 180
gaaacttcct tttcttagtt gttgtattct tgaagagcct gggccatgaa gagcttgcc 240
aagttttggg cagtgaactc cttgatgttc tggcagtaag tgtttatctg gcctgcaatg 300

```



```

agcagcgagt ccacccctggc aggcggctgt ggtggtttga agagtttggg caggctcctcc 360
tcagggagcg ggggttctcc tcggctctgg cgctgcatat tctcctgctg gcgacgctgg 420
ctgatactga tgtttccgct gctgttgttt acta 454

```

```

<210> 2524
<211> 347
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N48155

```

```

<400> 2524
tttttttttt taaggacctt tcacaaacca aatgacagca ggttttttatt aacatatctt 60
acaatgttga ttattcctag ttttgtaatt tctgcttaat tataaagatc aatttagctt 120
ctacagtaat gtactgtatt taaatcgatc attcatacaa gatatacacac cagtacattt 180
ttttgaataa tatacacaca tcaacttaac ttggacctgt tattttttaa agtgggttta 240
taaatgggac ttataaaagt tatgggggaa aattaaagt ctagtttagc agcatgcatg 300
tatgtattca agtacaattt tcaaccaagt gcttttttaa aatttac 347

```

```

<210> 2525
<211> 397
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N48180

```

```

<400> 2525
gcatttgaaa agctaagaac agccttttatt ggagaaagta ggataaagac atttccatat 60
atgttcatgg gaatttacca ttcaaattta ccattcaaac tgggggagta gagatcagtc 120
acttttgcca tcttatctgt ttaaaactct ttcaagaaaa gaaaagaaaa gaaaggagga 180
gtctctttca agaaaagaaa aaaaggaata ctgtgtaaga accacagaaa aaaagctaag 240
taggagcaga tgtgggtgct ctttccttaa cagtcagcat agaattgtaga gactgacatt 300
ttctttaaga acagattatt ataactaagc aagaaaaagt atgtgtacat aagttgggtca 360
cagtgcactt tggtaggaaa atataagtag ctgtaaa 397

```

```

<210> 2526
<211> 587
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N48315

```

```

<220>
<221> unsure
<222> (1)..(587)
<223> n = a or c or g or t

```

```

<400> 2526
tcaaataatc catctaacag ccatgagacc actcaagtat ttgaggtcat cagctgcgtc 60
catcaagaca tgatattgaa catggacacc atctggctctg ttggtctgtt tttgttggca 120
aaggactcca aaaggatgca gttgtatgtg tttcagctga accacatacc atagctcctc 180
tcccctcaca aaagggtttc tctgggggga gaaaagtaac tgattatacc tctcatgtct 240
caaaactgaaa ttctgagaag caaatggtca gttgagggcc ccattccaga tctgccggga 300
cgtcctcaga tgtccagagc tggcaaaaagg tggagcaggc agcagctttg ggcaccagcc 360
tgtctctttc tgttctgata aggccacaca catggctttt tgtgataagc ttccagccca 420
tgccactgaa ataacgttta agaacctggc tgcatttcac agaaatagcg taatgggaaa 480
tcattatgta attaaacaaa gcatgaagct cattatcctt ttccttttaa caaaccttca 540
atttcacatt ttagtggaca ctgtggnttc cagagaatat atggatt 587

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<210> 2527  
 <211> 469  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N48595

<400> 2527  
 atgtaaaact gactttttatt acaatttaaaa aagaacaaaag acaatttgat aagtgccttt 60  
 aattacaaca tacctgctat ttacatgtaa tcatactttt atatatagct tgaataagtt 120  
 ttattacatg taaactataa gatattacaa gttaaactcc agtccttttct ggatattcaa 180  
 ttgaaatact actggcagaa acatacagaa aacaaatacc catttcagtt cctcagggtac 240  
 cattactggt tgaatgatca agatctggcc acagaagaga agtggaaata tgcacaaaaa 300  
 caaaactttat tcttaacatg actaacagta ttgttattta aaccctaaac ataattaata 360  
 attggatcat taaaaacaca acttcaattt atatagcacc tttcttccga agagttgaaa 420  
 gcattcgtgc ttatctctat tatttcgttt gtccccataa catctctat 469

<210> 2528  
 <211> 422  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N48602

<220>  
 <221> unsure  
 <222> (1)..(422)  
 <223> n = a or c or g or t

<400> 2528  
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 cttacaaatg tgattggata tttaggatac ataattttatt cttaaaatac acaacttata 120  
 tacagatatt aaaaactcag tctccaaaat gctcaataaa gatgtctggg tgacacttat 180  
 agaattgacc tagcaatttt ttcttctctt tggcagaaag ttttgaatcc tcatcaagag 240  
 ttttttagtaa attcaacagc tcatctttgg ttgtcttcnc tgtattggtg gaatagtcac 300  
 gttgatcaat tcnctggcaa taaatatatc ctgcatctcn atttggatct cttccggttct 360  
 gtatggccat aagcttaaca cttacaattt tatgtagagt tccaggnatc ttaaaaaacat 420  
 ct 422

<210> 2529  
 <211> 416  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N48674

<400> 2529  
 ttttcattgg caatttttatt ttttaaaaaat gaaatattca aagtactttt ctttcaaata 60  
 tcaacacata atgtttaact ttaaataattt acagcatggt gttgtgatgc tctttagtaa 120  
 aatgcacatg ttctggcctg aaagccagag caaaatgcaa aagaccattt aactgcagcc 180  
 agagaacatg aacctgtaca gtatccagtc acttttcagc acaggagagc aggaatacaa 240  
 aattggaacc tattgtttcc tagcaacatg gctcagacca ttataacaca attttcaata 300  
 tgattagaac ctctacctgt tgttatacag aaactgaaaa cttggcatac actgtaaaca 360  
 tctttacttt tcatgagaaa gtaagcagct aaaaagaatg gtttttccgg acataa 416

<210> 2530  
 <211> 481



<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N48787

<220>  
<221> unsure  
<222> (1)..(481)  
<223> n = a or c or g or t

<400> 2530  
agattgtaaa agttttattga tatgggtcaaa aagcaaacag ccagacattt ggttatcttt 60  
gccactacaa tgtgtcattc tgaactgtat cttaaaaatg cataacaaat gatattttaa 120  
ccattaccag aaaagtaaat gaagagtcta cttaaggcac ttcatatgaa agctaattca 180  
aaattttcac aaaagtcaca ctatttttata agtgtagtaa attaccttct acacatttta 240  
gccagaatgc tgcctttctc cttacagaag aatgtgctct taaagggaga aaaagcaaat 300  
acaaaaaatt gtcattctgt caatgttcat cgacaaatta tctggaacta tacagattac 360  
atggcagtag tattcccgtg gtcaatctgt acaaatcagg ggcactttca tacaagtctc 420  
ataagaacca cagcatagat ttggnctgga gaccaggtac cagaatagca ggtaagggaa 480  
t 481

<210> 2531  
<211> 455  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N48790

<400> 2531  
tttttttttt tttttttttc agtatatgaa aattcattta tttagtga aa ccctgacatt 60  
aaagcgtccc aacacaaagc agattcgaac ataacaactg gtgattggct catctcacag 120  
gtcacatca tcagtgtgtt aacatacaat aggactgtac ccttttacag gattgagtgt 180  
tttgatccc actcacacac taaaaccctg ccataaagtt gtatcaatta gggctgttca 240  
aatgtgaaac tgtattggaa aatgggaaac tttatctcct tatatatgca ttttttttga 300  
gatggcggtc tgcctccttg cccaggctgg gagtgaagtg gcacgatccc gggctactgc 360  
aacctctgcc tcccgggttc gagcaattct cctgcctcag ccccccaagc agctgggacc 420  
acagatgcct gccaccacgc ccggttaatt ttttt 455

<210> 2532  
<211> 432  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N49090

<220>  
<221> unsure  
<222> (1)..(432)  
<223> n = a or c or g or t

<400> 2532  
cnntcaataa aaagggtttat taaaaattct gtgaaatcaa gattcaactt gacttttctac 60  
aagagtcagt tgagatctaa tgacaaaaaa agactgaaag tggtagatg gaagtagaaa 120  
tttaagttaa atattaacca aattagagca gaagagctca aaataatatt acacaagcta 180  
catcttaagt aaaaaactgt catattttat aaaatgtact ttaagtcaaa acttcaaaca 240  
gacaaaaaag gacattttaac aatacataga ttcattccct gtgaatgtat gacaaaatttg 300  
tttatacatg catgtatttg tgtgtngcgt ctcaaattag gctttcagat atataaagta 360  
aatactaaca aaactgaata aacacagaga gagcaatata atnatagtag gntattttcc 420



ataccccccc tt

432

<210> 2533

<211> 433

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N49104

<400> 2533

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aaagtgggtg acgattaaaa aaaattcttt aagaccgaat caaagcacat tctttcacia 60
agcttaaacc acagacgtca tgtccagaaa tggaaactg tcatgttagg atgaacatct 120
gatctgattt gttaagacat tttgccaaat gcacagatgc acaggggtccc ccatgcactt 180
ttcatgcagc aggtaatcac aacttaaata aaagggtttat tctatacatt tgtccagact 240
tgcaactgta tacatacatg cacaactttt aaacctgtct gattatattt acacttatac 300
atggaatata caggaaccaa agagattaaa aggcttttct gttgcattag aacaatacaa 360
aatatgtatt tttcattaag gaaatcacta tttacatcac ctttaaaaac cgattttaac 420
atcttcatgg taa
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433

<210> 2534

<211> 203

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N49113

<400> 2534

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tttctttttt atttagccac tctcatttca taggcaaagc aagtccaatt acatttcatg 60
ttatagcaat tatctatgta tgttttcctc actccattaa aatttcacct tttccccgac 120
ccacattctg cagtgaattc agatctattt tccatttttt tctcacatta tttatatagc 180
tacactatca cttccacttc ctt
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203

<210> 2535

<211> 424

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N49214

<400> 2535

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tcttcaagac cagattagta ttttattttt cctttcctaa cactcaaatt catggcaggt 60
gaaaagataa tagaacataa tcaaactaac atataaacac aattcaaaaa cgtttaacca 120
tctattatag ctctttgttg taaaacacac aaagttaaag agaaacatct ttatataaat 180
tatccttaat aatctgtata cactgtaaaa caattgaaaa ttcacaccaa gatcctagt 240
caagcagtg tgtacaaaag tgcaaacaag gttagtgtat aacaacttac catcaatata 300
ccacttcaac atactttaca ttcagccaaa tactgaaggt ttcaccatgg gaaaaaact 360
tttatcactt ttaaagtaac ttggactatg ttcaccctgg agtggctctt gcctcagtat 420
gggc
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424

<210> 2536

<211> 429

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N49284

<220>



<221> unsure  
 <222> (1)..(429)  
 <223> n = a or c or g or t

<400> 2536  
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 gttcagtgtt ggccatcttg catcaaagt tcttaaggca gtgactggct atcaaccaca 120  
 gtttctgtct cccagattgc aaacacagga tccatgcaac agttctgaga ccatacactt 180  
 agaaaccaca ggggatgcgg atcaaagtca gaactcccaa attataaaac agtcagggcta 240  
 cactcaaaac aaaacataga acatcaacaa cacacatctc ccaaaaaaga agtgcaacgc 300  
 atgcttggtt ttaaacccaa caattaacca aaaaaaacca caattaaaaa aatggcagag 360  
 gtctcccaa aaccaangtt tttccaaatg gtattggcag aaggggaaaa aaaaatggta 420  
 tttttatat 429

<210> 2537  
 <211> 447  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N49595

<400> 2537  
 actgtgtttt acatatttat taaagaatcc attctttctg ataatactcc taacacaggt 60  
 gaagatattt ttacaatatt ttaccaaact cctaatagaa aatgtctaata cagttcatcc 120  
 ttttagtccc tgaatccatg tttgagcatt ttaaagatgg aagaaacctg taagactcat 180  
 atcattttta aaaaattgac ttaaaacact tattggataa ctaatacatt tgtaacagca 240  
 tcatgatttg ttttgctatc tgtatttcac ccagaactgc tgaattacag aatgaaactc 300  
 aaatgaaagc attcatctat aatttcaaaa attattattt gaaattttta aatcaatagt 360  
 cataacatca tctgtgttcg aaattagaaa attattagca catatacaaa catatttacc 420  
 tatgtcaatt aggtcaatgt caggatt 447

<210> 2538  
 <211> 392  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N49738

<400> 2538  
 aaaccttaaa tgtaatcttt aatgaaaaga tataagcatt ataaaagaag gggtcataat 60  
 gagtgatgtg gagatggcta catatacttt cttaagaatg ccacatcttt tatcatacag 120  
 atttcaaagt ctttttggct acataagtac tttaaaagaa ttgagctaca tcaattaaat 180  
 aacaaatata attagttctt catcatcaca ataagataac aatgattaaa atgttttacc 240  
 tcatatgggtg aaaatactaa tcttttcatt cacaaatttg taggcaaagt tgtaattacc 300  
 aaacaaccgt atagtacaga aacaagaaac atattgtaag tctagttatg atagtttttt 360  
 ctaatagaca aaattgggtca acaatttatt at 392

<210> 2539  
 <211> 472  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N49902

<220>  
 <221> unsure  
 <222> (1)..(472)  
 <223> n = a or c or g or t



<400> 2539  
gcaagagagt gacacagatt ttattttctcc cagagaacag acagatgcaa tgaagacaca 60  
tcttatcaat ggatttttgtt tctcaagtca aagtcagctt ttcttaaacc atttccttat 120  
gcaagaagat ggggagctga atgtggaaaa atgctcttca aacaaataat ttgataattg 180  
ccaatgaaga gtgttctttc ttctcactac agatgaaata caagagatgt atctaagacc 240  
agagcttttta ctttctctaa ctggagtga attaaaattg atggatattt tatttttatt 300  
ttcatttttta ttttttcttc ttttttttcc ttgtgattgt cttttttatt ttagccattt 360  
aagtacatca aaaaaaaaaagg caacacttcc tcaaagtgaa taaaaatggg aagaaaaaaa 420  
aaaaaaaaaa ttttccatag ggcctagcag naacttaaca catgccgata at 472

<210> 2540  
<211> 549  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N50038

<220>  
<221> unsure  
<222> (1) .. (549)  
<223> n = a or c or g or t

<400> 2540  
gcacaacaca aagagtgaac tttaatatata actatgaaca ctgtagctaa taatgaatac 60  
aagttcatca gttgtaacaa agtgccatgc taatgcaaca tgctaattag agggggaaat 120  
atgcaaagaa gaggagggat atgggaatcc ctttgtgcct aatttttctg taaacataaa 180  
actgctctta caaataaagc ctattaatta aaacaacaaa atacaaaaca acaactaaaa 240  
ccaaaaacag ccaacaccca atggggttgag ctggagtaag aacaggctgc ccagcacact 300  
tcctggggcca ctgagccctg ggctngaaaa gcaaaagggc cagtgagggt tggctgggac 360  
tcagctcccc agcctctggt tcaagcccga ttacgaaca caaagggtcat ctgggttgat 420  
ttcctgggtcc cctcagctca ctttaaggag gcttttctgg tccacagctt tgggttgcca 480  
aaagcaatct ggctaaangg atttgggaca tccggctggg gaatgtaggg gangggtttac 540  
ccttagatg 549

<210> 2541  
<211> 298  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N50048

<400> 2541  
cagaacttaa caaatTTTTaa ttactttttaa ttgaaaactg cactgaacgc taaatgtcca 60  
cctttacaat aaacaaatac agtaacggta actcacacta aaacaaaaca tacttctgat 120  
agccattatt tttctgtttg ggacaatttt aaagtttttc ttttgtcaca aaaacaggaa 180  
tgtacctata caaaggctca aaataggcca tcttttttaa caaaaaggca atgattcaca 240  
aaagactatg aatagaacat gtaactagtt gatacaaata taataggatt tggttaaaa 298

<210> 2542  
<211> 413  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N51053

<220>  
<221> unsure



<222> (1)..(413)  
<223> n = a or c or g or t

<400> 2542  
tggccagagc aggcctttatt ggggccgtgt aaaccccagg gagaggcagg acgtggacca 60  
cagagagtca tgtacaggct gcgctttcac ttgtcttctc tgtctcagtc tcctgaagag 120  
cccaggaag tcaagtctcc ccaccatgag tgaggggtct ggtctgacag ttgggccttc 180  
agagccaggc acgtggaccg tgtcagaagc gccacctggt ggtgactggg atgctngcag 240  
ggaggagctg agggcaaaac tctagtggaa atttcccagg tcggtccac gccccggtga 300  
cagggatgaac cctnagagga gccccaaaac ttggaggcaa ttgtctttga ggtaaccact 360  
caccacagct tttcagagac cagaggcaag acatttcttg ctaagagcat ggg 413

<210> 2543  
<211> 407  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N51117

<400> 2543  
aaagaaagag gtttaaaata ttttattaga gaacacatat caatattgaa caacacttaa 60  
atagatggca ttcataattaa taaggacaat ataaattctt ataatttgaa cagtcagttt 120  
gttcaacaaa taaaataaat tcatttttat cagtgggcat gatccatgaa gtatatattt 180  
tcaataattt attcatctgc ttagtactat atacattcat tttctttgaa aagaaacata 240  
aatcaacgt gattgtttat ctcatcacat cataaacaga tggacctgta aaaatggcgt 300  
gtagaaaatt cagaaacact taaacagcac attccaagga tactgagtcc atttaagaga 360  
aattaaactc tttgaagcca ttggtagtca gcctgggtgt catatat 407

<210> 2544  
<211> 471  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N51342

<400> 2544  
aatttttaaa attaaaaatg ttttattggc tattgcttta atagatttac tacaataaag 60  
gaaaggaata tttttctcaa atgtgcta atagaaaaaga cccaggaaac tgaacgatat 120  
tggaacacagt tttcagtggt ttagacataa ataaactcat gaatttcata tggattctgg 180  
aatattttacc actactcccc taacgatgca ttttagcatag aacaaaaata tgaacatttg 240  
aacaagtcca atctaacaca tttcaaaaca atcagatctt tggaaaactg ttttccataa 300  
gtacccttg ccattcatgg aagagttatg aggatgcccc tgaatttatt catggacact 360  
ccatactaa gaaaaagaaa accatgtaga tgggtaatat aatttgacta tttgttcccg 420  
cccaaactc aagttgaaat gtaatcccc atactggagg tggggcctgg a 471

<210> 2545  
<211> 269  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N51590

<220>  
<221> unsure  
<222> (1)..(269)  
<223> n = a or c or g or t

<400> 2545



aagctttcac aatttttatt aaatcctagt ctagttgaac aatatctgat gttacagaca 60  
 tcatcccatg gtgaacatgt ttaataagtg aaagcaagtc agacatctca tctaagncat 120  
 tattttctgc agactaagca ataactacac agaacactat gggtaaacia acacctgctc 180  
 agttttcaca caagccatgt tgtttatcaa attagatctg cnaatattgn aatacnctag 240  
 nttccgngg attggaattc cccaaaaag 269

<210> 2546

<211> 337

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N51737

<220>

<221> unsure

<222> (1)..(337)

<223> n = a or c or g or t

<400> 2546

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 ctgaccaatt cacctgataa actctaggga cactggcagc tgtggnaang antgnggcac 180  
 agentangag ctgtggctaa gggcaagccc ctctctgccc caccctattc cttatattca 240  
 gcaagcaaca aggcaataga aaagccaggg ttgtctttat attctttatc cccaaataat 300  
 agggggcttg ggaagnagcg gtngagngg caggaga 337

<210> 2547

<211> 376

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N51771

<400> 2547

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 tttccaaaca aagtaggttg gagagggttg aggaggagga gggactctga cacctggaga 120  
 caaacagctg gtcccagcct gtcccggggg tgctgcagga gtcagtctag ggctcattcc 180  
 tttcatggca ggtctgaggg gcaagggctg gccttaacag ttgctttact tctcccaagc 240  
 tcagctcaaa gtcattggctg agactcttca cagatggagc cctggtgaaa ggctgctgca 300  
 cctgtagatg ccaaagattg ctgcctcaga caatggctag gcctttccat gcaaggcctt 360  
 ggaaagagag cagtag 376

<210> 2548

<211> 377

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N51773

<220>

<221> unsure

<222> (1)..(377)

<223> n = a or c or g or t

<400> 2548

nttgttttcc ttaaatgagg agatttaagt tctttacatt atacatttca aaggaacaaa 60  
 acacccttta tgaattttct catggagata gcattttacat cacagagcta ttgtgaaaat 120  
 aaaataagaa tgtacagcac acctggaata taaaaaacat cccaataact tacttgagac 180



cccgagcca tccatccctc acatataaat acaatgaacc agatgaagat ccgtgtccgt 240  
gtccatgaca gcaatccatt cagaagatca aagataaata gtctaataca ccaatttctg 300  
acatttgctt agcactgcag gactcatgaa gagctgccac tcatattatc tcattttaatc 360  
cctacaacaa aaaccgg 377

<210> 2549  
<211> 458  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N51855

<400> 2549  
tagacctgta cagttttttat tacataaaat atcacaaaat tcacaagtac aacactgctt 60  
atthttcttgc ttgaagatca gatctcttgt ttattttaaga tcaacattca ccacagctga 120  
aggaaattaa actgaacctt taaaagggtac cgcatacgga cctgggtggg gttatataca 180  
atatattcat tgtagttgag ggtataacca tctggattca gaattcctgt gtcacttgct 240  
ggtcctaata gcaactgtact cccattcctg ccaaattggaa aaaaagtgtg tcaacatcag 300  
tctctggttc agaagctgca atagagaacg tagtcttatac tggccaaaag gactcttcta 360  
gtcctcctgg ttctgagtac ttacaggggtg acgaagtggg cagaactggg agccatcttg 420  
cccagcccc tggtggctat gtttaccctg aagcaatc 458

<210> 2550  
<211> 497  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N52168

<220>  
<221> unsure  
<222> (1)..(497)  
<223> n = a or c or g or t

<400> 2550  
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gcagataaaa aaattctctt ttaaaaatgt cactgtgaaa cttttccaga tgaaagttca 120  
gcaatacaaa gctcctacag ctgtagaatt aaaacaatta tgttttgatc cccccgccgc 180  
caagatttgt ctaacataat tacaagaaaa aatggcaagg gacaagtgat cgctgggtacc 240  
tttttctttt ttaaacacgt ttaatgttgt acatgtacta tataaaatga ttcctaagca 300  
tttcataaga caatgctccc actgctttta gtgactaata ttaagaacaa gccaaataat 360  
aaattaaaac agtttttaaaa tgaggtaaaa tccaaagggg ttcaacaatt gggtttattht 420  
cagttttccaa caataaaaag ggaagcnntht cngaattggga ataaaaactg gnaccnnggc 480  
catatttagt taatccc 497

<210> 2551  
<211> 509  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N52271

<220>  
<221> unsure  
<222> (1)..(509)  
<223> n = a or c or g or t

<400> 2551



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ttatttttgg gtggggaaga aatgagaaaa gaatataaca tctcttactg gcatgacaca 180
ttttgataaa aaatccttatt gtcctttcct actagaatga tccactgtaa ggcaaaaata 240
atatacaagc gaagtttttt tttggngaca cagtntcacn ctgtgtntccc ccaggntcgg 300
angtgcagtg gtacgatctt ggctcactgc aacctctccc tcccgggttc aagtgattcn 360
cgtgcctcag cctcttgagg tagctgggat tacaggcgcg tgccactgcg tccggctaata 420
ttttggaatt tttagtagag atgggggttc accatgttgg gccaggctgg ttctcaactc 480
cgggacctca tgtggtccac ccaccttgg

```

509

<210> 2552

<211> 492

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N52322

<400> 2552

```

gagatttgtc acatttttatt cagtatttct gctgcactgc cagcctaggg atgcacttga 60
ttcccaagaa atgcaactgt cctatttcgca gagccgtcca caggtagccta cccctggac 120
tgcagcaact ttattacctt aactagcaca gaacagaggt tgattttaaac tccttact 180
cacttctcag atcaatgaat gggcaaagaa acacctcatg gctctgggaa ggcattgctga 240
gacccgtttt tgcaagtcct gaggaatgga agaatatagc tgccagggtat cccaagtcta 300
gggcagggag ggtagtatcg gcatcacttt cactgcattc tgttggtcaa cgcaagtcag 360
aggctcagcc cagatccaag ggcagggaag aggtccatc gtgtagttgg gctcacttgg 420
aaggtaatgg gaggagtggg tggctgctt aagacacata ccacatctag atttcaacct 480
ccagaaaagt cc

```

492

<210> 2553

<211> 439

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N52845

<400> 2553

```

cgggatactt tatattcttt attattttta tgtacaacca actctagtga agaacctaaa 60
aagctacaga cttaaattttt ataaaatctc aggacctaat tataagagcc caaacaacgg 120
tttagtatca ttttagcaagc ggggattttt ctccctccaa aaacgttaat tttgaaaaat 180
atgggttaagt ttaaaaagtt gcaatgtgta aacggcagtt ccatgggatg tgaaaacgat 240
tatacgttac tttcattaaa aaacagcaca cttcgaaaaa tggattgaag cctgtacaaa 300
aagctattta acactgattg ataaaaaata aaatactttc ggaattatgc acaagtatgg 360
aagctacatt ttaaattttc attgggtcatg tctaaaacgt acaccattac ctttacgttc 420
atttacttta ccaatttat

```

439

<210> 2554

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N52985

<220>

<221> unsure

<222> (1) .. (476)

<223> n = a or c or g or t

<400> 2554



```

ttnggagtta cttaagagtt ttacttattg ctgttcttaa attccttccc ctaccacttc 60
ctcttgggct tttttatttc tcttgttgat caatctcttt tttgtgatac ttttcattga 120
atcatctcga ctccctttatc ccctccttta ctgcactcaa actccttatg ctgaactttt 180
caatccaaaa tttctattgt tttaggactc tgggaagcag ttgataaaaa gataaacacga 240
gctactgata tggtcaggag atgttttcta aacaaattgt agaaatataa acatgaaatg 300
tggcaatgat ccctttaatt agatcattga gcaataaagg atatgaacca ttagtataaa 360
tattcaattc agtctttccg gattgtgttg ttagataaga atacatccaa aaagggccac 420
agatcgaggg agaaaccaag gaggggtgag gtcatgggtt gagtgttaatt ggttct 476

```

<210> 2555

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N53031

<220>

<221> unsure

<222> (1) .. (465)

<223> n = a or c or g or t

<400> 2555

```

acaatttaat tttttattag tttcctcaac aacagttaaa acaacacaat cctgcatgaa 60
atggatccaa agtatgctga gtatttgcaa aacagtactg atactgtcag tggacttctt 120
aatgttcttg tttccatgta caatcgtgtg acatgtagtt aagcttagta aattgttttt 180
catgtaacct gtgaattgga acaataaatt tcaatataag ctcaatacat ttcaatataa 240
cctcatatgg ctttatatca ttttgtttt ccctaattgt ttcctccttg acatgaaata 300
tttctaattg gttaaacagg tactaaaaca aattttggac ttgacaagggt aagttttgaa 360
agatgttttg tcacaagaag aaagggnatct cttgggatca caaacgtctt cctggttgga 420
ataaacnaaa ggagttccct ttattggggg tcccagcttc cagcc 465

```

<210> 2556

<211> 472

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N53067

<400> 2556

```

caaaggacaa aagggtttca tacaacacag tatcaaaaag taaaagggaac acactaaatg 60
cacaagctgg tggcaagtaa gtccacagcc tattgtgata ggtccatcca gcatcaatca 120
gatttcttct catctgttat ctcaaggtta ttacagatg tgttgactaa caagagtctc 180
tcatgggagg atgggcaggc ttcaatcatt ggtttcgga tctgtctgag ccattgtagc 240
atccaactca gcatccagggt gtcttttctg ttctgacata tatgcatcca attggttgct 300
cagctgctcc ttgggtcaat acagggcgag caagggcacc tctccctcgt ccacggcctc 360
ggcctcgggc tccaaagccc cctcttcccc gacctatcat acccgcacct ctaccacccg 420
attccggcac gacccatagc tccaaggcct agggcccttc ttccaggacc tg 472

```

<210> 2557

<211> 485

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N53352

<220>

<221> unsure

<222> (1) .. (485)



<223> n = a or c or g or t

<400> 2557

```
gcttgaactc tggtcggtat gagctcctta aaagcaggta ctgggctggc tgtggtgact 60
catgcctgta atcccagcac tttgggagggc tgagggtggga ggattgcttg agtccaggag 120
tttgagacca gcctgggcaa catggcgaga ccctgtttct acaaaaagaa aaaggaaaaa 180
aaaaagcagg gactgtcatt ctcatctcct ccctggggta tccacaggaa tggacattca 240
aatggttgta gcctgggtggg gtagaaggca gagaagacta cccagccagt gaagtgcaga 300
ggatagacat aggaaaacat tccaggcatt tggagacagc tggaaagtat ccatgcttga 360
ctttcatgga tttagaagtc nttaactgaa ttattaaaat tgcctttttt ttgtgctgta 420
caatgtctac tgtactgtgg gtcatttaga tgagatgaaa aacttaaatt aaatctggaa 480
gtggc
```

<210> 2558

<211> 438

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N53549

<220>

<221> unsure

<222> (1)..(438)

<223> n = a or c or g or t

<400> 2558

```
atagatagaa cttttatgat gtgttttatg gtttacaac cacttaaagc tcaccatttc 60
ttttgattct tacaagaact ttctttatgg aaggaaacat tatcctcttt tcatctccta 120
gataaaaagg taaattatgt agcatataaa tgattttccc aaggctaatt cggacgagac 180
agtagagctg ggatttggat ctagttttct ctgagtcaaa ttcctctgat ctttcttgaa 240
agtcactttc attttgtccc aacacatctg agcagacacc agtggtttca gaacacgtgc 300
catgtcttct tactttcctt gcccctttct ttcttaacaa tattacacct gaggaacagc 360
gcagaggcgg tnactgactg ggggaaatgg gtggataccc attctaaact tcagggctca 420
gcttctcatt ggttgggg
```

<210> 2559

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N53757

<220>

<221> unsure

<222> (1)..(498)

<223> n = a or c or g or t

<400> 2559

```
tttttttttt ttttctgcca acaaagtgtt attaaacacc tatgtgcaca gcnaggagcc 60
aggatcttca tctccactgc agttcatgct tctggagagc tgtccaaaag ctcgggttgg 120
gctggtttga ggcctgggat ccagcccagag gtgaagatgg gaggaccagc ccagcccca 180
gagctcccag ccttcagact cctgggtggc cttgactggc agcaacagcc ttaataagta 240
ttggagctgg agaccaaacc caacaccatt ttccaggagg ggctaattcca tgaccaaggt 300
gcttatgaga gcatccttcc tgggccttat gagagcatcc ttcctgggcc cttctcttgc 360
cagaaaaggc cgtggatggc agacctgcag gtgcgccttg gagggaagtg gctgccgacc 420
ggnetccan agcgttggct cttggcctga gctttgcctc tctctggnet cctgtgaaat 480
cacaccaggg gtagtggn
```

<210> 2560



<211> 260  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. N54053

<400> 2560

```
acaggaaaaa taaggcattt attacagatt gaaactgata agaagaaaaa tcacagaatt 60
cacaaaaatca ttctttgttg gaacttttct tccttccatt gcatttttgct gttaagagaa 120
aaggagtgtg agggtcagac caccgtggca tgcgttcaca ttccagcttt ggaggccagg 180
gacccaggac tcctgggaat tattcaaaac cagatccgat gataccagac actagagcag 240
ctatgaaaga agcagctcct                                     260
```

<210> 2561

<211> 226

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N54067

<400> 2561

```
tttttttttt tttttagaat ctgaacagca ccagctgcat tgcacccttg atttattttg 60
gagtaagaaa aaaaaaaaga atggggataa actggtatat aagaggaaca ggaaggaggg 120
gagagaaccc aacacatgag gtctgcacac acagctgtcc tggttgccct cgggtgcagct 180
ccgagctcca gttacaagga attccaagtt ctcaggatct tgaaag                                     226
```

<210> 2562

<211> 360

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N54265

<220>

<221> unsure

<222> (1) .. (360)

<223> n = a or c or g or t

<400> 2562

```
taaactccaa agccaagggt ttttattact ggtcaaaagg tgctcgctaa caaaacagtg 60
ttggggagag gtacattcca cagctctgta ggagccctag tgggncatcc tgccccaacc 120
cgccccgcct ctccantggg nanattntaa ggnatttcac acattggngt tttcactttt 180
ttttttttata tatataaaaa caaaaccagt cctggagtag aaagaaagac cctgtgatga 240
acttttagga ctaaactgaa atggaaagga ttggagtgtg ggattctgag gggctgggtc 300
agtggccatg gtggtccagc ccccatggt tggcagaagc cgcttggaag ggggcatgag 360
```

<210> 2563

<211> 475

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N54311

<220>

<221> unsure

<222> (1) .. (475)



<223> n = a or c or g or t

<400> 2563

```
gattcaacaa tacatTTTTa atatagcttt aaaaaggcaa acgaatttta agatcaccag 60
gggcaaatgc agagcataag acattcactg gatccagtta cgtgtgtaaa tgccctttac 120
caagtcaata ctattaaaga gactagtggg tcgtggcaga aattgtttct gcttataagg 180
gaggcaagcg aggttctagt gtcctcagca aaggcacaaa ctcatagcat aatgccaggc 240
cagtcattta acttcccaga gtctcattcc ctctgctgac aaaataggaa gattgaatca 300
gttgatttct catggattaa ctattttcat atccagttaa ttttcagctt atcagctact 360
caattgccat ctgcttttct tctctggtct tccatcacaa tggcnaatgc cctcccatgt 420
gtatctcgtg attgggctgg ttgttccttc ctaccactcc tgggtgacat actca 475
```

<210> 2564

<211> 157

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N54395

<220>

<221> unsure

<222> (1) .. (157)

<223> n = a or c or g or t

<400> 2564

```
TTTTTTTTT caagagccaa gcagacttta tttctgcagc aatctctgct ggtcaggggtg 60
cctgntcct ctaccactg cccttcatgg ctgctgcagt ggnccgcagc tgtggccatg 120
cagccacact gtcaagggtc agcgatgtng cagtcac 157
```

<210> 2565

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N54399

<220>

<221> unsure

<222> (1) .. (476)

<223> n = a or c or g or t

<400> 2565

```
aaatatttct attacttttg cccctactat attccatcta agaatacggg cacagaagaa 60
tgaaagtgga gtgaaaggta agaaagaaaa gtgagatgat aagaaaggga ggaggaaagg 120
gaatggacaa aaattagatg gtctttttatc caatttttag cacaggcaca gaacaatgag 180
gttggcatca ctctaaacta atccacgtta actgactaca aagatgatan gaaaatgaaa 240
ttaatgcatc ccataaaaaat gcagttctaa tagatgccaa ngatgggcat tatccagaag 300
cgctgtagaa ggactctgct gtttctcagt aggtgggtca ccctttgcct tcagaacaca 360
tgggtcttct taagtgatat ttccatatca gatggtgaga tttgtgggtt tcccaaactc 420
agtcctgacc ataagaacag gtaggtgaac cttgttaaaa tatngcagct cccagt 476
```

<210> 2566

<211> 506

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N54417



<220>  
 <221> unsure  
 <222> (1)..(506)  
 <223> n = a or c or g or t

<400> 2566  
 tttttttttt aaagataaaa aaaaccttac ataactttat ttttcaaaga ctaatatgtc 60  
 tcagggtacat ttagctacag tacaaaggat aagaaaatag cgcctaggaa ttttttaggt 120  
 tgtagagaat ctcaactggc tttacctttt gtattttctc tccacttctc tagcaaagaa 180  
 gacagagtgc tcccattccc acttcttcag cctattgggt cacaaggggc ctaattttca 240  
 tgcgaacagc cctgagggaa taatctgccc ctctaaagga aaccagacc actccattct 300  
 caatctcata aggactgtta ttccttgggt cataggagcc cccagggtag tagattccat 360  
 tggngattgg ctgcttggca gttattatac caccagcctc ccccatngac ttctggaaag 420  
 ttctcttccc aatggtctgg atccctgtca aagggtgctga actggcatgg ttgnttgtna 480  
 gaggtgtact ctggnccctt cctctt 506

<210> 2567  
 <211> 511  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N54429

<400> 2567  
 cggaggtgat ggatatattt aatatcttga ctgtgccagt gatatcatgg gtgtatgcat 60  
 atttccaaaa tcatgaaatc gtatatgtta aacactttgt atgacagatg catccgacag 120  
 cattaactca agcataccct gagaatgact gtatgggtcta agaagaatat gtgttcagag 180  
 tctaagctaa ggaatccggg aatggccaac ccagagagat tcaacttctta tctgtgaagg 240  
 acacttgaac tccctgctg tccgttggaa ctccagatgt gcaagggaacc aaggcctttt 300  
 attttgggtt aaatggaggt tgctaagtgg agagtgtctaa gtagaaatgt tatataaact 360  
 acatactctt tacaaatagt agcgggtcctg tccagcccac tgccactggg accacatctg 420  
 tattttaagtc ctaaataaac cctatgtccc attcactggg ctctgggtct cttcttggac 480  
 aaggcgccat ccctgttggg atcaataggg c 511

<210> 2568  
 <211> 497  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N54511

<400> 2568  
 atgttgatga tgttttaatt tctagaatat tgtatgacat ggaactattc agaattcctt 60  
 taaaaaggaa tctgtcttga ttaataacat tattaaggta ctttcaggct ttcccttaac 120  
 tccatcgaga aggaagaggg agtatgtgag tacatgtgca tgtaatgggt caggaggaac 180  
 agaagcaaag aaggaagcac gtgggaaagt gagatgtcca taaactgaaa aaccaattta 240  
 cagaaaggca tctgatgtat tttctaaata aggccttgat cagggttaacc aatcctcttt 300  
 gtagcacatt ctacactgcc cataaataaa ggagtctctt taaattaaca tttccagtat 360  
 caatgaacag tccagaaatc ctcathttca gcgttcgatg agtccctggt gtgagtccaa 420  
 ggtgcagaag ttgtgttcgg gagaggtttg caagggttagg gaaggccgca agcagcttct 480  
 ccccatgccg gttccag 497

<210> 2569  
 <211> 274  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N54604



<220>  
 <221> unsure  
 <222> (1) .. (274)  
 <223> n = a or c or g or t

<400> 2569  
 tttgggtttt aactaaatta aatgttttta acaagttgaa acgtgaatca tttaaaaaat 60  
 tgctatcaga tccacagagg gcaatccact catatagttg actataaaagc ttgaggagga 120  
 attcataaaa atctaaaggt tttacacatg cagattgatt aataaatgtc gagatatggt 180  
 ccacttcana aatnagggaa gtnattattg gtagatgttg cactagagca tagtttatgc 240  
 aggggaatgca ccccgagacc cttctactgg gtga 274

<210> 2570  
 <211> 488  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N54792

<400> 2570  
 ttcataatctt aaaataatct tttatttgct caccatagac attctgacct acattacatt 60  
 gatatacatt atatttatct gcagtgagaa ctgaataatt taccacacag tataaatcac 120  
 aaaattataa ttcttgaatt tctagcatta ttgttatgca tgtgagcggg taaccagaat 180  
 aatcaaacat cattgatgtt aatctaagtg agaagttggg aataaacact tctaattatg 240  
 aatctagaaa tttcaggaga caaattccac cattgaattc ttgtatcttc agaatcagac 300  
 ctagcatata taatcagaaa ataaattttg aagttcaaatt cagtgggtgtg tgtgttagaa 360  
 atgtcaacat gtaaaacaga atgctagtta acaatcacat tttcctaaga aaaaatttgc 420  
 atcttaatca tacgaatatc acgaaaacag accattttcca gttttcactg tagtcctgga 480  
 tgggttttc 488

<210> 2571  
 <211> 320  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N54841

<400> 2571  
 cacagtggca gattttcttt aatagatata tttcaaacag atacaacaaa ttaaaaaatc 60  
 taattcacgg caggtaaaca tgggtgctca aaaagttcca catagacatt tacacttggg 120  
 ccatcagtat ttccctcaca ttcccttttg ttaagtccca tcttcgcagt ggcagtacag 180  
 gagaaatctc caccgtcacc gcacaatcca ccaggcgcac taccacctga agtgaagggtc 240  
 tcatctcgaa ggtgcgctca gccataaaaa gaaaacatat tacagaaagg aaaaataagt 300  
 gtgctcttcc caccgcgaaa 320

<210> 2572  
 <211> 459  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N54950

<220>  
 <221> unsure  
 <222> (1) .. (459)  
 <223> n = a or c or g or t



<400> 2572  
 tttttttttt tttttttttt ttttttgctc tgaggaagat ttatttgctc tgaggctctg 60  
 catccccag ccatcccccc agagcctctc cctgtgggaa cacaggacac aggcagagtc 120  
 ctcccanag cttgcatctg tcccctgaac agggcaacct ggacgccagg ctnggatgga 180  
 ggggagaagg cgatgcagcc gcaatggtag tctccanggt gtntnaggag ccggcacctg 240  
 ctctcacacg atgccatcaa agccctgcag gccanacttc ttgccggcca cctggaaccc 300  
 gaatctcagt gcttcctgca cgctcctccc ctgggagagg ctnaagatna cggaggcatt 360  
 tnaagggtgtc tccagtccca gtgtatccan caccggggt ngcgggaaag catccgagtg 420  
 gagcaatttg ccatcanggn ccaaggngtt ggggccttc 459

<210> 2573  
 <211> 431  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N55272

<400> 2573  
 tccatttttt aatcttcttc atttaactaa aacatacata caatagtcta caaatcttaa 60  
 atgtacagct taatacattt tacatatgta tatactcatg taactaccac cttagattaaa 120  
 tatatttcca gtgcccctgc atctctttct ggtcaatatt actccaaaaa taaccacttt 180  
 tctgacttct gttaccctag aatagttttg cctattcttg agcttcatgt aaatggagcc 240  
 atgtggagcc cagacttttt gactcaatat aatatttttg agattcatgc atgttggtgc 300  
 acatatcagt catctgtcct tctctattat tgcttagtat tccatgggta tgtatttact 360  
 acaatgtctt aatccatttt tctgttgata aacacttgag ttatttccag ttttgcaaaa 420  
 agctgtttcc t 431

<210> 2574  
 <211> 305  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N56935

<400> 2574  
 ttaaaatggc ttttattgag acacttgtag ggattctgca acatttccag ttgggaatct 60  
 ttatttccaa ctcttagggg ggctaaaccc ttttctgaat gccaaaagga cactctcacc 120  
 accttaatga ggaaacacac ttatctgtgt ctgttccgat atccaactgg gacctggacc 180  
 ccaagccccc tgggtgtctg tacaagctctc attagtcctc cacgtacaac tcagaagcct 240  
 gttaatcagg gagggtaatt tccaaataaa tgtgagctgg cctaaatcca gctgggtatt 300  
 tctga 305

<210> 2575  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N57464

<220>  
 <221> unsure  
 <222> (1)..(300)  
 <223> n = a or c or g or t

<400> 2575  
 gaatcatctc ccgctttccc gggactttgc tttcactttc ntcagtcttg tggacagagt 60  
 caagtagatt ttcaaaagtg ctccagaaaag gccggaatag tcatgtagtg gatgaaaagg 120  
 gcagtcacaa aactgcttaa gaccagctgt cttgccagta attgcagtgc ttttaagattt 180



aattaaaaag ccgcctgcct ttaacccaag aacacttggt attagggcac catgtcttgg 240  
tcacggctgc tacgtgtatc tgatgtaagt tnaccatggn ctgtcatnat tatnttgctg 300

<210> 2576  
<211> 388  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N57934

<220>  
<221> unsure  
<222> (1) .. (388)  
<223> n = a or c or g or t

<400> 2576  
ttcggtgcca aaactttact ggaggtcaca tgggactagg ggccttctgt ccctgccagc 60  
gcctccattc ccaggcgatg ccccgctgcc tgcccaccta tcttcggggc cccacacgaa 120  
caagctgtgt cccacacgag gtcacagctc ttccctctgg ggatgggcga nggaaggggc 180  
aaanaagccc ggaagaaggc ctcccgaac cgtcaactcc tggccgggtc tccaagcaag 240  
tccaanaaca agtgggaaggc tggggtcttg gntttcctgn aagaaggctg ggaaacaacg 300  
aatggttgat tctggtnctt aaaatggctc cgtcttctga atgttcctc aaggtttaat 360  
gancacgttt gaaaatattg gggccaaa 388

<210> 2577  
<211> 512  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N58009

<220>  
<221> unsure  
<222> (1) .. (512)  
<223> n = a or c or g or t

<400> 2577  
tttttttttg tgccaaaact ttactggagg tcacatggga ctaggggcct tctgtccctg 60  
ccagcgctc cattcccagg cgatgccgc tgccctgcca cctaccctcc ggccccacat 120  
gaacaagctg tgtccccacc gaggtcacag ctctgccctc tggggatggg cgagggaggg 180  
gccacagagc cggagaggct cccgcaccgt cactcctgcc gggctctcaa gcagtccagc 240  
accagtgcag cctgggtctt ggcttcctgc aggaggctgg tccttaaatg cctcgtctgt 300  
gatgtccctc aggttgatga agcacgttga aatatgcgcc aaacacaccc atntccaggg 360  
ctttggccgc cacctggagg tctgaccggn aggccaggnt tccaaaccgg gcaagttcct 420  
gaagggcccg caaaaggaag gcaacggtt tcgcaaagtt tngggaacaa gaaaattgcc 480  
ggcttaaaac ctctgtagg ggccnccttg cc 512

<210> 2578  
<211> 335  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N58326

<400> 2578  
ttcataaata agtattataa ctttattaaa atgaaaagac aatattcaaa ataatgcaac 60  
aaaatgaata aaatccttg tccaatactg tacacataat gcagaaatca gtgcattttt 120



cttaagcatg ttttaacctt catttagttc atactaaaat ataataagct ttaaatagct 180  
 caaataatat tcagcagttt aaactgtaaa cagcttgttt aactgttaag agaacattgc 240  
 agtaatgtac ctctgttagt gagcaccttc tcttctgtgc ttatctcttc aagataaata 300  
 catggaagga tgtggaaatc gggaaccacc aacta 335

<210> 2579  
 <211> 299  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N58463

<220>  
 <221> unsure  
 <222> (1)..(299)  
 <223> n = a or c or g or t

<400> 2579  
 gtcacttttag actttttaat atttcataca gcgattatgg tgcattcagg aacccaaccc 60  
 cccaaaccca ctaggagggc tcccacccct gccctcccac cccatttcag ggccccagg 120  
 cttaggggtgg aggaagggga ggtaaccacc catccaggga ctgaccctgg agactgtccc 180  
 tgccctgect caccctcccc aggagatagg gggcaacacc tgggcacac ccctcacacc 240  
 cccctcccc aancctgctt gtgcacatat gcacattatg ggtcctcgt gagctgggtc 299

<210> 2580  
 <211> 377  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N59089

<400> 2580  
 acaaaattta tttagaaagt tacatatgca catatggtaa aaagttcaaa aagtggcacc 60  
 aaaagatata acagtgaata taaggctggt tcttgttttt atccactgag gcaaatactg 120  
 agtttatattt caaaggattt ctctgtgtgg cacaatcacg cttgcatatg ttaaaaaata 180  
 caaaatggta tcatacttgt tcctctgcac tttctttttt ttctttttta caacatatct 240  
 tagaggtagt cctattttcaa tttagctaga cccatttcct tctgtttaat ggctacattt 300  
 cgtttttcat tgtgagactg tgccataatt tatttaatca gtgccatatt gaaagacatt 360  
 tggatcggtt cccagca 377

<210> 2581  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N59231

<400> 2581  
 tttttttttg gcaggggaaa gccagcttta ttgagtaaac ttcccaggac ctgggacatc 60  
 ttagatctcc ccttcccca ggagatagga cccctaaacc tcccctgggt cctaggacac 120  
 ctgaccacac acttgtagtc tccagttagg aggggaccct tatttggaag gagatgaaca 180  
 tgtaagcagc tgtccgccgg agaaaggacg atggctgaaa ggaatgaacc accgcaagcg 240  
 gtgttctctc ctgtccagct gtggacagga cctccacggc ccggccttcc tggcctcggg 300  
 cacttggttt ggccctgggt gccgtggcag cacagcttct gttgaaggct tggggatggc 360  
 caggctgccg gtctggggca agatcactcg atttccagga tgaggctcgtc accttcca 418

<210> 2582  
 <211> 463



<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. N59283

<220>

<221> unsure

<222> (1)..(463)

<223> n = a or c or g or t

<400> 2582

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cttttcatat ttcaacttta tttaaaatat gaggttttat gtccagaagg gagggcagtt 60
gccatcggaa ggtgaagtga ggcacaatac tattgggttg cgggcccaagt acacaggggtt 120
gcaactgtgaa ggaactgagg aggttctggg agggcctggg gacaacaatg gatttgggga 180
gatccacaaa ggaaattttc atttcctccc caggtttagct attcagtggg tggattattc 240
agtcttttta agcaagggtca ctgctcctta gcaacatcaa caaaagtgcc aaagctgagg 300
acacagagaa taccatcatt gtcttttggg tctctttatg cctggatggg gaaaggaatg 360
gaaactaata gcagaaaatg aaacatttcn ggatgttatc ccttgccatg aagaatcacg 420
ggcttgtgta gagacctctt tcctttcctt tttttttttg agg 463
```

<210> 2583

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N59474

<220>

<221> unsure

<222> (1)..(396)

<223> n = a or c or g or t

<400> 2583

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gaaaatgagt acattttatt gtatataaat gacacctcaa taaaaacgaa agatgtgagc 60
aacatcctgg gaaaagaaaa tgtgatttca ccttaagtgc tttanagaat tctattatat 120
gcctcagctc ttactctttc ttcttttttg agacagagtc tcgctctgtc acccaggctg 180
gagtgcagtg gccacaatca cagctcactg cagcctcgac ctcccaggct ctaagaatcc 240
tcccacctta gcctcctgag tagctgagat tacaggcatg agcactgtgc ccaggaactt 300
actcttgctt gtaaaaaatac agctctgaag tgaagaaatc ccaggngcca catcaaggag 360
gcgaaaactag agtccgcaga ggccagcccc gcacga 396
```

<210> 2584

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N59532

<400> 2584

```
ggcaagtaag aaggaagttt aatttttttt tcaggattca gtggagtcca ttaatgcata 60
ccaggggcaa agatcagccc agggtaaggc aagtctggga ggaagcccac cctgccctac 120
agcagccctg gaactcagaa taggtggtga gtctgccatg gtttgctact gggcagcaca 180
ctagaccaac ttgggaatgt ggaagagtga gtctatgttc cctcagccat cccaagttt 240
acacacaggc atagcagccc tactgtgagt cagcaatcat tcctgacttg cagtaaggac 300
aatttgcatt tacggaaagc aaactggagg gggtagccta agtccgcact gcccatgtta 360
ttaccctttg caatgtgaaa aacctgggtg aggtagggtt ggcagggttt atcctctcca 420
caaaggtgag cctttgctcc acagc 445
```



<210> 2585  
 <211> 438  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N59536

<400> 2585  
 cattgctaag gaagaactcc ctctgctctt ggaagatttt ctactctact gatcttattt 60  
 tatttttattt tattttttacc tgatgattgt cttaggcacc ctccttacat aataaaccat 120  
 caagctaact tgaacaggga aactgagtca cactcaaaca atagctaagg tcaaaagtgt 180  
 agtgaaagta gaaaaagtgg ggaagggata ggtctaagtg agtgacagat gggctgattc 240  
 agacagggca ataagcacag ggagatatga agacaactac caaagcaagt ggaagacaag 300  
 gttttcaact ttattgtatt gaaaaatact tgtcacttgg ttcagatggc aaatctaaaa 360  
 tgagcccaca atgattatgt aataaatgca gaacgtacca caacaaatcg agactaacac 420  
 agaaacagaa gatgtgac 438

<210> 2586  
 <211> 428  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N59543

<220>  
 <221> unsure  
 <222> (1)..(428)  
 <223> n = a or c or g or t

<400> 2586  
 aatgggtattt attctagcaa ccacaacatt gttacaaaag cacaatttta ataggcttat 60  
 ctgctaagat gctttttataa gcagctgtca cctatacaga gttatgaatc atcttttggtg 120  
 ctcaagggaac ctgtagaagt aagagacatc atcatacaga gaaatgtagt taagttaagt 180  
 tgaagcttgg aaaagatcac atgaaaaaaa tctagctctt gccttatctc ttcctaagtt 240  
 aagcataaat tagccgtctg caatagccgc ctgtaagaca aatgataaca gaagacaatc 300  
 acacatgggtg aatcgggtttc cagtggagtt tttcttctaa agagacagta aacaggtcac 360  
 aactcattcc ttgagaaagg attcctatta aataccaga aacagctatc aaataaacag 420  
 ccaaagcn 428

<210> 2587  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N59550

<400> 2587  
 gctcttttgag aaagttttatt ggcaccagga aggggtgttg gagctggcaa ctacaactgg 60  
 tgagcaaccg ggcaggcaaa attattccta gagcttcagc aagttctctc agcagttatg 120  
 gacaaagctg gtcccagctt acagcacgca gtttcaccag ctggatgtgc agagaattac 180  
 attactagat taatgttatg tgccctgaggt gcttttatcc ctggcttctt gacttttgat 240  
 tgggtgtgat aagaatgact taatttggtg taatccactt tcacagcact gagcatactt 300  
 agtatgtact gaggggttgct cgaattaacg gtgtgtaccg caccaccagga aggcctaatg 360  
 aagtaggatt actgcttaag ctaagacctt tattaaaatt ttgtcctctg gccagtcgtg 420  
 gtgggtcatg ccta 434

<210> 2588  
 <211> 413



<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N62126

<220>  
<221> unsure  
<222> (1)..(413)  
<223> n = a or c or g or t

<400> 2588  
aagagttgca tattttactt tatttttatt aaattaaaag ctacagtctg gcagcgattc 60  
cagaacaggg taaggagggt cctcacaggg gtcagagaag agcggagaaa gacagactga 120  
cggagactga gacacaggag agaaaggaca aggttaaggg agaactgtat ctgatgaaca 180  
cacacagccg gctccatggc gggtgacggg gagctcacat cagcccaatt tctcctcccc 240  
ggcacccgaa gttcagcggg ggagcagtat gtggggggcg ttaggaatca agagaccctc 300  
ccttccccac cctaggtcct tntctcggct tggctcgtgga gcacagcaca ttaccagaaa 360  
aagncaaggg caattgangg gcagggaac cgggagnata ttntacacgg gga 413

<210> 2589  
<211> 453  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N62443

<400> 2589  
ttcccactaa ataagaaaac ttttaataaga tgattacaaa gaaattaata aagaaataga 60  
aaatgatagc agcttcaaaa ataccagtct ccctgtttta aaacaaaatc aataaaatca 120  
gtgaatcaca attcattgaa ctcatctctg gctacaagga agcagctgga tagatccact 180  
ggcaggcagc cctgcaggat taaaatgagg cccactgcc aaaaagcccca aatgagatgc 240  
cgtcctcctc atcctcacac catcctcatc aggcaggggaa ggaataggat tagactccct 300  
attatcggag aataggttga ggcacagagc aggaagggcc ccttcttaat atcatagagc 360  
ccctctgttg ggtcagacca gaactggggg cagaggctaa aggtgagacc cactgctgtc 420  
caggagcaag ggggctgggg ggtaggggct acc 453

<210> 2590  
<211> 396  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N62487

<220>  
<221> unsure  
<222> (1)..(396)  
<223> n = a or c or g or t

<400> 2590  
agacatatTT tcatTTctTT attagaaaga ggtctctaca ccatagccac ctctctctgt 60  
tactTTtacac atctTTctTT ttctTTttcc cttagaatac tgtacagcgg acacaaaaaa 120  
atcccaaggg aggaaaatac aaactggcat atttaataca aacaagatca tatgaaataa 180  
caagcaaagt gaaatgtctg tcaatggttt taattacagt acaacaata taaataaagc 240  
atcattgagt cattgtgaaa cataaagttg ctgaatgagg taatagaaaa catccaaaaa 300  
aaaaaccta acccatctgt ggatacacc acgctgccct tccatctcta tacactngct 360  
atttacagaa acagaaaaact ggctggcaag gtgggt 396

<210> 2591



<211> 413  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N62523

<400> 2591  
tgaaaggaaa aaattcaaag tttattcaac attaagaata acagacagat aaagggttgg 60  
acttaacagc ataaatacca ccaatatcat ggtgtacaat taaactaacc tcatgtcaac 120  
ttgtacctgt ttaacagatg cgatctttgt ggtgttgcca aaaggataat ggattattgt 180  
tatgttttgg aagggtgctca aaattaaaga ctttatgtcg acttattcac acacatacac 240  
acacacacac atgcacgcac acacacacac acacactctt acacttagcc tcctgcaaaa 300  
tgtattgact ttagttgcta tatccgattc ggataaaggc tttgctcatt ttttaaataga 360  
cattattaat tgcagaaaaa acgtggagga gaccttgGCC ttggcaggtg ggg 413

<210> 2592  
<211> 414  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N62652

<400> 2592  
aaaaagatac actttatttta tttttctaac caggaaagaa tcatgatatt tgctggggtt 60  
actgattaaa aactaccacc accaaaacag aacaaagacc aaaaaaaaaa aaaaatgaag 120  
gagggatggg tatcatcaaa agaaattctg tctcaattac agggaaaaat atttagtttg 180  
ttcaccagtc aaattcaagt cacagacagg cagcttatac acatttaaag acaacaaaag 240  
gttttagggc ggacgagcaa caagcagagt gtaaaaaagag gcggggaggg agctggagag 300  
ggcagctggg gaataacgtg ggtgaggaca ggtggagtcc atagcccaca cgttgaaatg 360  
ctgcaaaggg cgcaggcagg cgattatacc ccttacagat ttccgttttt gtaa 414

<210> 2593  
<211> 437  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N62675

<220>  
<221> unsure  
<222> (1) .. (437)  
<223> n = a or c or g or t

<400> 2593  
catatagtca gttaaacttt attattttaca agttaaatta cacagcagct ttacacagca 60  
tgagatggaa aggaaggaag gagagaaaac aggagaggaa gctggctcct gagattcttg 120  
gctgcctcca cctccttctc ttgggcgtac agtcttcagt gctgcctcca ctccaaggtc 180  
aaggatcagg gcttggaaca cagggtttaag tcagggttctg gctctgacag cccaggggcc 240  
accagggctc ccactagcag cttcttcaca ggcgttgagg gtgagtgtga aggcattcagc 300  
tgcagggaga aagggttaatg ccaggttnggg ggaggcacac aaatgttcta cccttttaac 360  
cccacccagc cctaccctaa gggactccaa tttatctaag acgatgggCG acaaatgang 420  
gccacntgga atttcaa 437

<210> 2594  
<211> 242  
<212> DNA  
<213> Homo sapiens



<220>

<223> Genbank Accession No. N62819

<400> 2594

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ggtgctgggtt aggtttttatt ttaacaggat gttttctctt atttttcaaa atatcagtta 60
tatcaatatt agaagtgtaa acaggtacaa aatatacagt acatagaaac aattttctta 120
actagtctat cgcctaataa aagtatgcat gagggggctg aatgaatggg cactgccagg 180
tccctccgtc tgcaggggaa acaagaggac cagtggctgc ttcaacaaaa caggaatgga 240
ta                                                                                   242
```

<210> 2595

<211> 497

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N62922

<220>

<221> unsure

<222> (1) .. (497)

<223> n = a or c or g or t

<400> 2595

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agatttttag aaattcattt atttgcaaat tacagtgaaa aattttctctt ccagatgcat 60
ataaatccga agtttttatt ctagtgaagc gtacagaatg ctattgttat gacattttaag 120
tatcataaca taatgtagct aataaaagctt tttaaaaatt atggtaaagt gtatgtgaaa 180
tttaccatta gtgacattga gtaccttcac catgttgtgc aatcatcccc aataagtagt 240
tccagaacat tttcatcacc ctagaaggaa actccttttt agcaatctct cccactcct 300
ttctctcagc ttcttacaac catttatctg ctttctgtct ccatggattt gcctattttg 360
gatatttcat ataaatgcac tcatgcaata cgttgccttt tgtgtctgcc ttctttcact 420
tggggcaaaaa tgcgctcaag ggctcatcca tggcttttag angtaatcag tccctcattt 480
cncttttatgg gctgaat                                                                                   497
```

<210> 2596

<211> 419

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N63047

<220>

<221> unsure

<222> (1) .. (419)

<223> n = a or c or g or t

<400> 2596

```
nttatttttaa ataaatattt taattctatt gttgacattt acaagtagaa agcatacagt 60
atgttacaaa tatcaaaatg agaaaaatat gaatgttaca taagtaacaa atataaaaaa 120
agtatttttct taccttccct gaaagtaaga aaactattca gcataggaaa atatcagtat 180
caaaaacaca gcttaggtgt aaaaaaagtt tttacacagt atttaaaaaa aatgatctac 240
aaaatgacaa agtaagtgtt gaaatctgat ttcatataaa ttataaaaaac tgggtactta 300
gagtaaatgt tatctgggtg gaaaataagt ccaatcataa gctttcctta ggtcaattct 360
ttaaaatatt aaaagcatac cgaaaaattt tccaataaat aaccttnaag aggggttcc 419
```

<210> 2597

<211> 313

<212> DNA

<213> Homo sapiens



<220>

<223> Genbank Accession No. N63165

<400> 2597

```

tcccgagaaa aaccaattta atgcttctgt tctcagcatt tcacagcatg caggactcaa 60
atggatacaa cagaagaaaa aaaccacaa ttttggaaa agcctttgtc caatgattaa 120
tattttgata tctattgaca atcccttaga actttaaatc tcaaaaacaa aaaagtactg 180
tggatctcca tagtttatac agaattatgt gaattctata aacttttctg aacaaaacaa 240
ttacatgtca agaattccatg aagcctggaa gatacgtca cgtttttgag gtttgtatta 300
atgccagttt tta
313
```

<210> 2598

<211> 472

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N63172

<400> 2598

```

gttgttttta aactttatta ttatttgttt aaaagcaagg catgcttatg gatgactctg 60
taacaaacta attggaattg ttgaagctgt tccctgggtc caccctggag agtaatctgg 120
gacatcttgg tgtgttggtg ttgttggtgt ttttcctcct ctttttttga ggggagtgtg 180
cagtttggtt ttcagtcttg tttttttaat tcattaacca gtagatagcc ctttaagggga 240
ggaggaagga tccacttcct agatctagtt tagaaaacat gttcccatc tgggtgctctc 300
aggaaggagt atagtaaagt cctcatttaa taacatactc ctttttgaaa gttgcctttt 360
ctttccaccc ttggagtaga tccagtattt ggatgaaact ccatgaaagt ggggtgaagc 420
ctgtccttgc cctcctgtt ttctagggcc acactggtat ggtgactgtg ga 472
```

<210> 2599

<211> 268

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N63391

<220>

<221> unsure

<222> (1) .. (268)

<223> n = a or c or g or t

<400> 2599

```

attggaatat tttatttaca ttttatattt aaagagaatc aatacaaatt gggacatatatt 60
tacagcattt caaatcagtg tacaagaatg caatggtttc atccattcag caaacaaaaa 120
tacatgtctg ttttattttt gcctaaattc tgctataatt tgaacaaaat tctaaaacaa 180
aagccacaca gagtacaaat aaagtgcatt tttaaatagc tctattttaac tttggnggat 240
gaaacttcaa actntatatt aaggggcc
268
```

<210> 2600

<211> 204

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N63604

<400> 2600

```

taattaataa agagtccacc ttttaatat cgtgtttaac acatctatgg gtttggtaga 60
aagcaaattc atgaccttga aatagtagta ggtgataaca tgtgacttgc cagtaaattc 120
tcatatcttc actgtcactt aggagataat cgaagaatat gaacatattt aattcctaaa 180
```



gttcctgcaa taacctacat acac

204

<210> 2601

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N63646

<220>

<221> unsure

<222> (1)..(427)

<223> n = a or c or g or t

<400> 2601

```
tgggattttta aaatcattttt attaatccaa cagtacaaaa gacccccacc accaccgcat 60
tctgccatca ctttgttcca aaaagtagtg gagtgagaga gcgagaggga gcagatccag 120
caaaaacact cccccagggg ccattttaca aaatgcggaa ggcgcgaaga caacacaaaa 180
acagcaacag ataaatgggg caaacagaac aacaaacaca agagttgagc agcggggtgg 240
gggtgggggg ttgcatctta cgccgtttta gtgtgaggga cactgggaac gatgcccaga 300
ggctggctct cctcccagcc tcaaaggttg tcagctccac cagagcaggg tcttctctcc 360
tcatgccagg aactgagaga agtgggggta ggggaccact aggtcttttg ccacngtatc 420
ttgagct                                         427
```

<210> 2602

<211> 497

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N63688

<220>

<221> unsure

<222> (1)..(497)

<223> n = a or c or g or t

<400> 2602

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cgtagagatg ggtcttgcca cgttgcccag gctgctctcg agctactggg ctcaagtgat 60
ccaccacact tagcctccca aaatgctggg attacaggcg tgacaccnat gcccggcaat 120
aatggatctg agggaagata ctaaatatgg gcagagactg aatacctata ataaagatca 180
tcaagctacc taaatttggc ctactttgca gaatgattaa aaagtggggc actagcagca 240
attgcagtaa taaaaaacca tacaaaactc aaaaaaaaaa aaaggctata agggctaggt 300
gcagtggcta acgcttgtaa tcccagcact ttgggaggct naggcaggag gatcacttga 360
ggccaggagt tttgagacca gcctgggcaa cacaagacct cacttgtttc tactaaaaaa 420
ccaaaaaatt tagccaggta tggtaggggt cacctgtagt gtgagatact caggggcgat 480
tacctgagnc caggaga                                         497
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<210> 2603

<211> 492

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N63698

<400> 2603

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ctggtacagc catgcaattg aatactgctc agcaataaaa agaattgcac tgccagtaca 120
gcaacatgga taattctcaa atcg cattat gccagttgac agaggtcaga ctcaaaatac 180
```



tatgtacagt gtgattctac ttatatgaca ctgaaaaaag cagtactata aggacagaaa 240  
acaggtttagt gggttgccaag gagtgggaga agcagccagg gagaactttg aggaggtaaa 300  
aatgtgccag gccttggtcg gtgggtggtac ataactgtgc atttgtcaag actcagtgtc 360  
atacgctgaa aagggcaggt tttactataa gttgtacctc aataaacatg atttttaaat 420  
gattaaaact ttgggtttttg tttgttttgg ttcagtttta aggtttacca taaatctatt 480  
gggttttaga tt 492

<210> 2604

<211> 413

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N63845

<400> 2604

ccgagcagga atatccactt tatttggact ccatgacacc gttcctatgc ccttgactag 60  
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ttggtagggga atgggtttat cagaaagggg atacaaaaca taccctaagc tccaaatcat 180  
tcactttctt ttgggttaaag agctaactga atgaaagaaa ttgatttaac acttaaatta 240  
gacaccaacc acctttattg gctgccaccc taaattagtt ttccttaaaa cagtaatatt 300  
tcactttttac tgtttttttt tccattaaag caacaccatt gtgctgcaaa actaactcta 360  
tgcaattaag tacctggata catgttttct ggcttttaac aagtgataga aaa 413

<210> 2605

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N64017

<220>

<221> unsure

<222> (1) .. (463)

<223> n = a or c or g or t

<400> 2605

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atttttgccca cttgttataa tatctctaag aagttactcc aggaccgggc agtagggatt 180  
actgattcag atgggtccag tgactagaat atgagtagaa agtgtgaggt ctaatttgaa 240  
cctgtcagag ttactgttgc ctgcgctggc ccaaagtgcg gatttttagt cagcttgtga 300  
taggccaggt gttttgtctg gaccaggagt tatctttgac ttgtagctag aataaggatc 360  
ctgagaagtc aggtatccac ttgatgtcct tttatttgac ttgttaccat tagtactctc 420  
ctgggatcaa ggctgccaac cgaacctata nccagattt ccc 463

<210> 2606

<211> 565

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N64036

<220>

<221> unsure

<222> (1) .. (565)

<223> n = a or c or g or t

<400> 2606



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ctgaatcaca atttactgct aggggagcct gccaaagcttt gccattcttt caggggaggg 180
tttccttgag aagccagttt ttttagatag tcacttggct ccagttgggg aatatcaggg 240
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tagaacatgg gcccgccctt gtgccttggc catccatata catgtaaata gacaacatca 360
atgtgctctg ggctagcagc tatcccttct cccaagatac ggaatgcttc attgataagt 420
gaatataagc agcgttcaag gatctcatcc tggctaattg gtacgtgggt caatgtgang 480
ggttttctaa cccgtgatag gaattggnaa gccanggatc aggttgcneg tgccgaattc 540
ttggcnegaa ggcaaaattc cctat
565

```

<210> 2607

<211> 430

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N64374

<400> 2607

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ctgtaggctg ttctgggctc aaaccaatca aatgagtga aaccaatttt gacaggagcc 180
ataaagcatg ttgcaccaat taaattacac caatatatta ttataatacc tttgaaatgc 240
ctttcagacc aataaataaa aaagacaaat tcaaataaaa aagtcaactt tttattacca 300
aaaaaaatag aaattaaata aaagtcacaa tgtggatttt ttttttttt taatgtgcag 360
tcaagtttct ctcttttttt cttctaggaa tgataccatg ccagtaaata cctacagaac 420
atttcagtt
430

```

<210> 2608

<211> 453

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N64436

<400> 2608

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gtcaaattct atctctgttc tcctagtttt cacagaaata tttacaggaa taaaggttga 60
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aaacaagggc ttgtgatgag gatggaaaag acaaagcaac ttgaagagaa aaaaaaattc 180
ttttaaaact agttcatcct gcaaaatgga cataacacat gcatataaag gtttgacttt 240
ttaattccac ttttttgect gatcgaggg aagatggcat gtggctggcc ttcctgaagc 300
cttgctcctc caccactggc taacagacag gctccaggt ggcttgcaa ggccgacagt 360
gaccgcagcc cattccccac atccttaatc agagcctcat gcagttcatc cccacattac 420
cccaacataa cgtcgtagt ctacacgtag atg
453

```

<210> 2609

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N64535

<400> 2609

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aagtgaata aacttttatt ctttcttgat tagatggagt tacaattgcc aaaataaaaa 60
tccaagggtc aattctgggt ttaaaactag aaaaggaaaa aatgttatta tcagtaatga 120
ctttgggaag aattctttta cacacagtga ggggtgagttc ttttggaac aactgtattc 180
tatgtttata catattttata tataaaagggt gtccctcattg ggggaggggg gtgctgatgc 240
caccaagttc ctttgaagcc ttttctcccc cactgccaat gcccaggggg aaggagtctt 300

```



caatggcggc tcaatctagc tcttgcggtt agacttggat ctccattcca atttagggct 360  
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 c 421

<210> 2610  
 <211> 437  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N64616

<220>  
 <221> unsure  
 <222> (1)..(437)  
 <223> n = a or c or g or t

<400> 2610  
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 aggaaataca gagaagcttt cccagaacca ccacattttc cattcaagtc cagtgcatag 180  
 gctgcggcan ttcgactggt gatggagtga tacacttcaa ggaagggttac attatcactc 240  
 cataagaagg gacaatgatg ccaggagggtc ttatctctgg ggctgcttag ttttctaat 300  
 tatttacacc gaaaactttt taaaattgat attaggaaac taaattgtat agcacatttt 360  
 gttttgggtt tgggtttgtt ttgggggaagg cgtcctgctc cggtcgcccc ggctggaaat 420  
 gcagtgaatg tgatccc 437

<210> 2611  
 <211> 435  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N65959

<400> 2611  
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 ttactcagac tcggaaggcc tttctaattg tgctctcaag tggctctcaa ttcaattagg 120  
 tcaaattgag cccctgatta atgacaggct ttatattagt ttctaattct tataccagga 180  
 aaacctgatc aactacttca cataccagc agtctttaa gaaacaagag aaaaatctcc 240  
 aaactcactg gttggcaacc tgtcccacca gggacgttcc atctttagg tccctacgtt 300  
 tgtcaagcca agtgtgtaag gactgcatcc atggtaggct cctctgaaag aaatggatgt 360  
 ctatgttgtt tgagtgcgcc ctggccatca gcatggccag cttcattggg cttctgagca 420  
 ctgttcacca agaaa 435

<210> 2612  
 <211> 417  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N66066

<400> 2612  
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 cgaatacaat ccaatatata acattaaaac aatccgatac ataccattct gctttatgaa 120  
 agatcagcaa aaatacataa acaaggatat aactagtaca tttataaaa acatcataac 180  
 aatgaaacca aaggatccca cacaataatc ttcacatttg acatgctggg tacagctgag 240  
 gagagccagt gtctttggca agtgattcat atacataagc gatgacactg actaatccta 300  
 acacttctga aatgttcatt ctttaccagt taaacctaaa ataaatcagc aagagtactg 360  
 aaatataaca agaatagaat ccaaaatttg tcgaaagggg caatgtttta tactagg 417



<210> 2613  
<211> 393  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N66130

<400> 2613  
gggaattcac attttaatgt ttcagtagcc tgaacaactc aaattgatgt gtacccccac 60  
ctccccctgat caggtcgcct ccctcaccca tgtaaataaaa aaaacacagt atgtgacaca 120  
ggagtcctctt gatgtttctt gaggagatct gtacacttga gtagcaaata catatctggt 180  
tgtcttcaat atatttttaa aagaaagaaa gagaaagaag aaaggaaaga agggaaaaag 240  
gaaggaaaaag aagtaaatatt gtgacctttc ttgtctttta aaaaaatccc tgtctccttc 300  
ttttcaggat gatgaagccc cactagacat tacaacaac tgcaacaat gagtttgga 360  
agcataaata aatggtctag ttattcaaat ctt 393

<210> 2614  
<211> 301  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N66139

<220>  
<221> unsure  
<222> (1)..(301)  
<223> n = a or c or g or t

<400> 2614  
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acgcactggg ggagggaagc aagggatcaa gagggtgtgt gtntgtgtgt gtgtgtgggc 120  
ccctggggtt tataagaaag gtagtcctct ctggagccgc cagtcgcgtc tctgcagaga 180  
ggagtcatag caggggtggg agttaaagcc aggcaccacg gtggcagtgg agtgtaatca 240  
ctggggaaac atgcggattc tggggaagtg tccctcctgt tcctggctcc agcaggccca 300  
g 301

<210> 2615  
<211> 164  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N66422

<400> 2615  
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aacagcaggc ttagaatgag ttcacacagc tctgttaaaa gatccgttta atcactccac 120  
atagtgtaac aatctttccc ctccagaaat ttcgtaaccc taag 164

<210> 2616  
<211> 388  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N66613

<400> 2616



tttaaagtat ccaggcaatt ttactcatag ttctgttttag ttccagatag caacagctga 60  
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 ttgaaacctga gagttgcgtt ttcaattgag aagacacact ttggaaacac ctatccaaca 180  
 gactacaaat ataggctatt aaattaaaaa tctgggtttca aaataatacc cacttaggtt 240  
 ggaaatatct ttctccaaac tcagatccaa cttttgaatt gtttggtatc aaaggcaaag 300  
 ttaagaggga cttgggttta aaaactaaaa ttaccaagtg agtgcttaaa aaaaaaacca 360  
 ctccaaacat ctttttttat ccaataag 388

<210> 2617

<211> 422

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N66624

<220>

<221> unsure

<222> (1)..(422)

<223> n = a or c or g or t

<400> 2617

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 caaaagtaca caggaggcat atattccttt acttctctca ttaaagcacc atccgttcaa 120  
 ttcatTTTgc aataccaacc ccaaatttca gaacttttaa aaggtaaatt ttagcaaaag 180  
 ttattaatga aaataactga ggcaacatca aaatttaata gctccccaaa ttgactaatt 240  
 tatgttttag taggaataaa tcatagtaca taataataga agatttaata agttaaaaaat 300  
 atgaaggng gaaaaacca accnaaaaaa aaaacccaac cccttaaatac tggccatggg 360  
 ccncaaacna attttaggaa aggggggaaaa aacctgtgtg cagggtagn catttccttt 420  
 tt 422

<210> 2618

<211> 160

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N66763

<400> 2618

ttttttttaa ttttctcccc aaaatagcca cattctttta tttgatgatt caatacattt 60  
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 ttttactgat tttcttttaa attgccagag tacagaagta 160

<210> 2619

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N66857

<220>

<221> unsure

<222> (1)..(426)

<223> n = a or c or g or t

<400> 2619

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 aaaacaaaat aaattcttaa tggcatttcg tgggaatgtgt ttaagagcca aaactgtgaa 180



aatgtaagct ttatctttct tttttcctag attattttaa gaggattgta gccacacttc 240  
 agatgaatgt ttacaagcca aataatgatt taagagtgtg ctcaataaaa aggccatagg 300  
 ttttaagaatt aaatggaata atataaatta ctaggtcaac aagaatattt catgtatagt 360  
 aactgtcta aggaatgcag agaaatttta caagaaacct ccagactaaa tacttcntta 420  
 agaaca 426

<210> 2620

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N66951

<400> 2620

gagttttatt taatgtcggg agcagattgg gtaataaaat gtattttgag aataagactg 60  
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 atgaactggg ctggattttt atatttgatg aaaaagagcc taaatgctat ctgatttcgg 180  
 ataaagaaaa aggagcatta accttgacta tgccttttagc tccagccacc tttttaagag 240  
 taaattgctg ggcaggaggg ggagggctag tcacggaacg aaactgtaag ccggaccagg 300  
 tgtgaggagg ggaggcgata aaaagattat aggggtggagg agcagaggct gaggaagaat 360  
 tgggacctag ctcggcctgg cgagaagcag cctgggagga agggagagggt cagatgggtc 420  
 t 421

<210> 2621

<211> 447

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N67009

<400> 2621

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 tgagacagaa ataaagaaat cgcaagcagt tcttttcttt gcacactgac ctttttttaa 180  
 ttacatcatc ctctatgatg atggtgcttt cacaactgca gctctcctgt atgtcaaaat 240  
 cattctgggt tccaggtaaa tggacaaagg agatttgctt tcagtgtcta gaaggcaatt 300  
 tacttttcag ctgccttaat tacctatagt ttaaagaaag gaatgccaca tatagggtcc 360  
 tttaaacatc taaaatgggg aggttggcct ccaaggggca ccattcccaa acatttgatt 420  
 tcaagtccca gaagcctttc atatatg 447

<210> 2622

<211> 330

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N67096

<400> 2622

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 cctcatcagt gaataggctg aatctcccag gggcagtcgt ttgggggcac ggttggggtc 180  
 ttggtcagga tgcagggaag atcggggaga acgctgggtc caaactctgc tactgggag 240  
 gctgagatct caacccca cccaccgct tccatgggct tctcaagcaa cttgagactg 300  
 ctcttggtca tccgggtttt gggtgactac 330

<210> 2623

<211> 494

<212> DNA



<213> Homo sapiens

<220>

<223> Genbank Accession No. N67105

<220>

<221> unsure

<222> (1)..(494)

<223> n = a or c or g or t

<400> 2623

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aatattagat actatcacaa aacattttat cactcattca aaacaagaat cattcagttg 120
ccccaggaaa aaacacactg aaattatttt agatagcata ataagctaga ggatatagaa 180
catttgaaaa acagttccaa aaaatggaat actaaagatg caacattaat tcttagtaca 240
tttgttatgg taatgaatta aagcattata gaatatattc aagtcagaaa tcctgtagta 300
tgaagacata ccttcatatg tgaaaatatt attttatatt aataataatt attctggtat 360
ttatatcaga tttatcatca gattttcttt cctggaattt attaataatt tggaccatgg 420
gaacacaaaa atattncatt cattttataa tacnttggtt ttaattatta tttagaacat 480
aatccatgg taaa 494
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<210> 2624

<211> 418

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N67205

<400> 2624

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aattttaatt caaattttta tttaatcaaa agtcaaaatg tgaataacttg attagtggaa 60
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atccaatccc actgagctat atcttgattt catattttta tcatgtctat agcttgatc 180
ttaattgata taactcaaaa gtaccatata gacatctcaa actaaagatc accaggtgct 240
tagtttcaga gctgggttgt ctgctatgga aatatatttc cagaatttag atgagattgg 300
gaaagatatt gccagaaga gttcctccaa aatgcccttt atatagagct caggagaatc 360
tggaataata ctgggctaga tactgcccta aggccttgta cacttaaact accacgat 418
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<210> 2625

<211> 233

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N67378

<400> 2625

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tgaaatatag ccatgattct tagttacatg ggaggaaatg aataataaat acattgtagc 120
aagtttaaac cacaagggtg tttcactggg taacaacatt tgaaaactgt acacttgcaa 180
agaacagcat cttcaaacat tagtatactt gtatatcagt aaagctttta cat 233
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<210> 2626

<211> 334

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N67815

<220>



<221> unsure  
 <222> (1)..(334)  
 <223> n = a or c or g or t

<400> 2626  
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 ggtggcccag ggcnaangtc tcgctcttgg gggacgcgcg gccgggggac ngccatcgtn 180  
 tccggcccgg ggctcccggc gggtcccggc ggcagggaca atggcgaggc cgctcaccac 240  
 ttnaggaana ccatcccggc caggacggtn tagcccagca ccaggaagag gacctnagc 300  
 anacggtcac tcttctcctc canctccttg gccca 334

<210> 2627  
 <211> 478  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N67876

<220>  
 <221> unsure  
 <222> (1)..(478)  
 <223> n = a or c or g or t

<400> 2627  
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 aatgggaaag caaaatgtgc tacatctttt attctaagcc ttctcccaag tgcataaaat 120  
 agtaacagaa accctggagc cacagagcat gagatcggtt tcatctacac aaacattgac 180  
 gttccaagga gaggaaggat tctcaagggt ggacaggcct tttgtttgtt tgtttgtttt 240  
 ttaataaaat tttcaaggaa gtgatttctt ttcagtattc cattggatcc ttagggtgaa 300  
 tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tctgtgtatg taggggtgggt 360  
 gttaagagat tttcatatcc ctaagaaaga gtggattcng atggagagct gcattaactt 420  
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<210> 2628  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N67893

<400> 2628  
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 gtatatacat tatcctcca aataagaaac aatttgattc caaagtttaa aatgtagttt 120  
 ccaaaatgaa cccttgtaaa tttgaagaaa aagaaagaaa gccctgcaag ttacacaaat 180  
 tttgatccat gactaaaata ggcaccctgt accaatcacc tttctcatac aaaaatgtat 240  
 attataaata aaactttcaa aaaagatcct ggatgtttta ttgcacatca 290

<210> 2629  
 <211> 393  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N67974

<400> 2629  
 attttaatta aggtttatct caatagcaaa aatgacttca agattttgcg tgaattatct 60  
 tttaaacaaa actatatgaa aaatatgtac aatcagtc tcaatgtcat tgacattttt 120



atgaacaagt ttcaaagt aaatatccca tcataacaaa ggtacataaa taaataaatg 180  
 ctgacaatac tggccctaaa gtctaacaca actggttagac taatcaggat accgctttct 240  
 actacgtgag gagcacataa tcaatgtttc cagcaaaagg caagtactgg ttgtgttagg 300  
 tttatttagg ccagttgaca gccacattat tttgaggtgt ggctacttgt ttctcttcat 360  
 agtgttgaat gggcacagtg caaggcattg ggc 393

<210> 2630

<211> 357

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N68018

<400> 2630

acagtttcaa tcttatatattt atttctcttgt ggaatgctag gtttaatgtt acagtatggg 60  
 tgtcaaagct aatgaaatgt gacaaatgtc taaatgctgc agaacagtat aattttaatt 120  
 aaacaaaaca cctgttattg tacagctgag gtctcgatgg ttgttaaact gatgcctatg 180  
 tgtatggcca gccacaaacc ttggggatgt ttattacctg tacatatata taaaaatata 240  
 tcccatatcat atgtatgcac acaggcatgt attaatattt gcgtgaaact tataaaatta 300  
 tatatacaaaa cacatacatg cacatctatc tacatatacc taccctcacc attgagt 357

<210> 2631

<211> 457

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N68038

<220>

<221> unsure

<222> (1) .. (448)

<223> n = a or c or g or t

<400> 2631

tagtgtttcg tnggaaacaa ttatgggaag attcttaatg ttttattagt ctaaatatgg 60  
 agccaattaa tcacttcatt aatacattga aaactattct gggaatattg agcataattc 120  
 tactcttgta cacttggaac ataagaggaa tttttccaat taaaattaat tgactctgat 180  
 ttttaaaaaa tctacttgat caggagcaca ttgctttgct ggtgtctgtg agcagctgga 240  
 gatggtggtg aacggtctgt ttgcatttct tggagaaga tcttttattc tgctgctcaa 300  
 ccctggtctc tgccctccct tagagactgg agggcccatc ctccagtttc cctggattct 360  
 gggagaatgg gccgcagcc tccccactca ggggcttggg ctggtgctcc ctctagtcca 420  
 tcccagggtc nggaaggagc atccctgggc ggtaaaa 457

<210> 2632

<211> 275

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N68133

<400> 2632

taatgagaaa ataactgtat acttgcatg aatgcctcac aatcactcta aaaccaaagc 60  
 aggataataa catttaagt gttacatac acaggaaaac cagatacaga gtataatttc 120  
 caaacacagt attgctgctt ttttccctc ctcccccaa aaaagaaaaa caaagaaaaa 180  
 ataatttggg taaagagcaa cacaaaatca aaattggcag ctactgaat gcttaaaatt 240  
 caggaaattt gttctttaac taaaatggaa tatat 275

<210> 2633



<211> 271  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. N68241

<400> 2633

```
tttttttttt tttttggagg ttgtaataaa aagctattta atgtttgata gacaaattga 60
agtccataaa tctccttgaa taaagatgct aaaaatgtta ttcttgtttt ttaaatagtt 120
tcgtttttac aaagttctgt acataaaaaa aaatatacag aaacaaaccc catcaactgt 180
ccacatcagt aatcctcact ggtgggctca ccattgataa ggaagacatc attcaacgca 240
acctgtcaca gagactgtcc tagcagcaag g                                     271
```

<210> 2634

<211> 477

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N68385

<220>

<221> unsure

<222> (1)..(477)

<223> n = a or c or g or t

<400> 2634

```
gaggaattaa cagtctttat tgggctcaga ccaggagtcg gtgggtcttg aggacctctg 60
tgtatttgtc aattttcttc tccacgttct tctcggcctg tttccgtagc ctcatgagct 120
gtttcttctt ccggtagtgg atcttggtct tctctttcct cttctcctcc aagggtggctg 180
tcaactggcc tggtaacttc caccacacct tcggtgaagc caggcgcccc aagataaggg 240
aaaacttttc tttggtaggg cttcaaaacg caccgaccct tgaaggggca agcaggnaac 300
caacaatccg gcttttttcc ttggtccgta agggccgggt tgggaatgccg gtnaaaaaaa 360
cctttgaaga acnggtccca naagcggggc ttgggcctcc gcttnggggt ttttgttggg 420
ggcancaata acctcggaag ggctcngcca aaaaaaaatn cgggcttggg gggccct      477
```

<210> 2635

<211> 439

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N68596

<220>

<221> unsure

<222> (1)..(439)

<223> n = a or c or g or t

<400> 2635

```
aggatcggat cacacattta atttcgacag taagatgtga tgtgttttgc tgggtcatta 60
tataaattgt gtttggtact aagggtcatg ttcaaaagaa cttggaagcc cttttccata 120
gcgctttatc tgtccctggc tgggtgctng agtcctttat gacagttcat gtctcactct 180
ctttgctagc ctaccaactt cttcaagtgg cattaacatc tgaattactt ttctgtgtct 240
gcagtgatct ccataatact tttcacaggg tgggtgctta gtgaacctgt tcaagattta 300
ctttgtactt attttgctcc taagaaaatt tctaaaacat actttaaaat tatcaagtgc 360
tatttgtaat tctattttgt tcaggtaata gcaataatat gtgtaggatg gcattcatga 420
aagcactgct ttttaaccc                                     439
```

<210> 2636



<211> 402  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. N68730

<220>

<221> unsure

<222> (1)..(402)

<223> n = a or c or g or t

<400> 2636

```
cataaagaaa agaggtttat ttggctcatg attctggctg ctggaaagtc caagactggg 60
cagttgcatc tggtagagga ctcacattgc tttgacctca tggtaggacag ggggacgggg 120
agccagcatt aatatagaag agcagggatc ccctgcctga ggaggaccaa tgcaggaaaag 180
gccaaagagc agttaaaaaat cagcatcccc agagaatgca agatgttggtg accaagggtgt 240
ctaaatatca aacgcaagtc aggcggtaat gacttctcgg agggagctgg cttcggctca 300
ggcattccgg gtggggggga ganggaaact naagacaaaa ctgtgcttct cgtaaagggtc 360
taattcagga tcttctcctt tgcccccaac tcccagaccg gg 402
```

<210> 2637

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N68871

<220>

<221> unsure

<222> (1)..(417)

<223> n = a or c or g or t

<400> 2637

```
aaatggctaa tcacttttaa tgcaatttca acataagaag acctaattgtt aagcaatatt 60
ttaacccctc tccccaaaat aaaaagaccc agaacactgt aactctaatt atccttctcc 120
caacttagag aggattattc gtccagtatt ttcgttttgt tagtagactg ttcttttttt 180
cttttctttt tttagagatg gggcttcatt ttgtcaacca ggctggaatg tagtggtgtg 240
atcatggccc gtctcagcct tgaactccta agctcaagca atctcccacc tcaatttcgt 300
gggtagctgg gcctcacagg nattatacca tcgcatctgg ctaaattttt tttttgtaca 360
gatgggggtc tggtacatct cccaggccga tttcaaactc caggcctcaa gtgatcc 417
```

<210> 2638

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N68921

<400> 2638

```
gaacaagtac aaatttagca attttaatca atattcttgc agacaagtgt ggatatgtat 60
atgcataat acatatatat atcaaaattg agaatttaca aataagattt gatacattta 120
ttctagcagt gggtaagtcc atagagtaaa tttcaagtag gatataattt ttttcttttg 180
tgggtgtttt aataattcct ttctactgca tacaaggga cctgaagctt aaattcagtt 240
agttttggag aaatccaaaa tgagaaaaac agaaagcatg tagcattcca tgaagcaaga 300
acagcgtgca tatgctattc ctggaaatac tgaagtgtcc gaatttcatt cctaaaaagt 360
ctgggaaatc aactgaatc agttgctggg ttctgatgtc tctgggat 408
```

<210> 2639



<211> 440  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N68974

<220>  
<221> unsure  
<222> (1)..(440)  
<223> n = a or c or g or t

<400> 2639  
aaatttaaatt ttttattcat ttttttgcac caaaatagtg cttaaaattg gaattttatac 60  
tcacaagaca tagctaacat ccaaagtaga caattaaaaa atattatttg aaaattatgt 120  
acttagtact gaagacttcc taaatttgca cattagctag attgccatta gcaccattag 180  
agagttgac tttggctaata gattattcag gaaaatttca accattacaa tcagtgcagta 240  
taattttata tttcagcaac gatagtgggt catgttcagc aacagcttca cttacaaatt 300  
aaagtaagct cacttcagtg ttgcactctg atgctgtttt tttacccctt ctcttgcaaa 360  
taaccagtga aataaaaaatt gcctctaact ggcaatcgna acaagggagg aattatggct 420  
agncaactag ttgctaataa 440

<210> 2640  
<211> 451  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N68993

<220>  
<221> unsure  
<222> (1)..(451)  
<223> n = a or c or g or t

<400> 2640  
acacatatat gttcaattta tttttaaaag ttaaacagac tattttttaa gcaatttttag 60  
gcttacagaa aaattgatgg ccggacaagg tngctcacac ctgtaatccc agcactttgg 120  
gataacaggc gcgacactgg anactgacct tgttgctgtt tatgttaggt cagggaaggc 180  
ctcacagaaa aggtgacgtc tgaacagaga gctgaagaaa gtgaggaaga aggcacatgg 240  
acattagagg gtgggaagat aggggaagagc acaaccaga tcaagggaga agccaagtgt 300  
aaaggccctg aggggagagc nttgctncac ggnaggccag ccatcggggg ccgggggctg 360  
agtntacaa gatgagggca gagaagccag ttggggccgg gtccctgtng gtncagatcn 420  
tgggtcctgt ngggctctac cantcctec a 451

<210> 2641  
<211> 392  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N69014

<220>  
<221> unsure  
<222> (1)..(392)  
<223> n = a or c or g or t

<400> 2641  
ctttttcggg gcaaatacac tttattcagt cctggcatca gactggcgga gtccctgctgt 60  
gggtgccagt gccccagaca gagggacccc accctcagc tacgagacta gttctccaag 120



```

accacagaca gtgacatctc ttcactcaca tgcacgtttt ttttttcatt gtcttttttt 180
gttggtgttg tttttcttaa aaaaaaaaaa aaaaaaaata gagcgcaaga aaggcccaga 240
agccggagca ccaagcttaa aggaggcagc tgggtggcttt gtcagcgacg gggaaacgnt 300
ggggcagaga ccttgcaaga agaccctggg caggggggtcc gggagatnct tggggaccgt 360
ttnttttctt ggaagaattt tgtggtngtg tg                                     392

```

```

<210> 2642
<211> 479
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N69084

```

```

<220>
<221> unsure
<222> (1)..(479)
<223> n = a or c or g or t

```

```

<400> 2642
tggatgcagg aaagttttta tttttagggtg tacatcggct cagtgggaatt gcatccagaa 60
aatctaagca tagatcaaag aaaacgaatg tcttttaagc attttgaggc aggaattacg 120
tgaagcagga agcaggctta cagaagcaag aacaaagtcc attaattatc ttgtgacact 180
tttgcaacat gtcttacatc tctgggaaaa cttagtatgc agcttatgct tatctgtctt 240
gtgaccttgc agctgtacaa ggaggggaaga aaacacaagc ttacagagcc tacaaaatac 300
ctgaagggca gatatgggtt aatgtttctt gggactggca gttaatatcc ttctttaact 360
ctaaacttcag gggggctact taaattcttt ttagccttgg ttggtacagc aattcattct 420
atgagctatt atttcnggtt actataattt taccaattat tacctaatgc naataancc 479

```

```

<210> 2643
<211> 433
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N69114

```

```

<220>
<221> unsure
<222> (1)..(433)
<223> n = a or c or g or t

```

```

<400> 2643
cactcttcct cctgtccacc ctctgtgagt gattttaaaaa cggaaaagggt caaagcccag 60
ccaggcctac atttagagaa attttaaaaa aatttttcct ttcaattttg gccaattatt 120
tccaattttt attttattct taaaacttaa gcatggtaaa atgttaagct gttttcatcc 180
actgatatta ttctactata aaaagccctt cttgagcaga tttgatgata aaaaggagaa 240
catttctaag gtataattag agaagctggt gcatgagaaa tcatgtctcc atctccattt 300
tgctatgcgt tatctgagga ttgtttctga aagagatcta tttaggcagt gtatgtatgt 360
gtcagcatgt aaaaaagtaa agaactggaa aatngacaaa ccttggtaaa tggcacttcc 420
aaaaccaatt gtg                                     433

```

```

<210> 2644
<211> 176
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N69136

```

```

<220>

```



<221> unsure  
<222> (1)..(176)  
<223> n = a or c or g or t

<400> 2644  
tttaagaatg gacatcattt tatttcattt taatttagtt ntgtttaatt ctagtttcag 60  
ttttgatgat attttgccat gttcccaat ttttttcttt gataacaaca taattcaggg 120  
agaaagtaca aatttgccac aggttgaaca cttaatttgt gttccttaaa aaataa 176

<210> 2645  
<211> 290  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N69216

<400> 2645  
atatttgtaa ctatgcctgt ttaatgtata aaatatttaa aagactgaat atcacaaatt 60  
aatagtagat ttttacaatc taagaatatt ttctaaatat gagctattca ggggaatgtg 120  
attagtcaat gatgtctttg atgccctgcc ccaccacaaa ccaatagggt caactctgtg 180  
actgggcaca catcaaagat tcaggcctga ctctcagctg tggggtttgt taaaacaatg 240  
tggaagttt tcttttatga acaagatata atgttcaaaa aaaagggtgt 290

<210> 2646  
<211> 371  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N69252

<220>  
<221> unsure  
<222> (1)..(371)  
<223> n = a or c or g or t

<400> 2646  
catcggggat attttttatt gtgccaaaaa gttgccatca ctgtcattaa acctgtttta 60  
caccaaataa taaggaaaat aaaataaaaa attcgggctt ggtgcagaaa ctcaactcaa 120  
ataaattacc taccaaaata tttacataat gatggaaata ttccaaaatt ccatattttg 180  
ggatttatac acaaaagata aaaaaattag aggccaagag ntgccagaag tgaaaaacgg 240  
ggcctggaaa gcgtttcgtg aggaatgagc tgggcctaaa gaggcactgn aggcgggact 300  
ggggcctgca gaagcggccg aaacngcgaa gctttggact ggggaggccg cagtaaggcg 360  
agactaagct g 371

<210> 2647  
<211> 437  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N69263

<400> 2647  
ggaaaatcaa aattttttta ttaatttact ggatttccta tacctaacaa tccttaaaac 60  
aactatcaac agctgcaaca caaaccacag gcaaaatgaa aaacagatgc cccagacagc 120  
acccaccac atggcacaca cttaataagg aacaaaatcc tacagggtgc tgacataact 180  
cgctttaagc atgcaatgat tcttgcatgt ctccctggca atcaacctct ctgcaccctg 240  
gggctggata cttcaaagtc tttgttctct taacagggtt gaagtcaaca tggcaagtta 300  
aggacaagtt agatgagatc cccctagttc ataacgtgag ttctctctgc tctccaatgt 360



tcatccacaa gtacagggtc caatccccta taagagatgg gcttaagcat cccaatgggg 420  
 aaacagcctg gccagcc 437

<210> 2648  
 <211> 374  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N69299

<400> 2648  
 gaatacaatg atgtatttct ttattttcac atacactcta gctaaaagag caagagtaca 60  
 catcaacaaa aatggaaaca aggctttggc tgaaaaaaac atgcatttga caaatcatgt 120  
 taatagctag acaagaagaa agttagcttt gtaaacttct acttcatttg attcagagaa 180  
 acagagcatg agttttctta aaagtaacaa gaaaaggaac aaaaaaaatg aggtttgaaa 240  
 tcttttacca tggcaaaaca ttaacatctt tctcaaaaac atagagaaat ctggaaaaat 300  
 caagaagata aaattctgga ccagttagtt gacattcttt caagcatact tgtaaaatgt 360  
 ttccctaaag tggt 374

<210> 2649  
 <211> 176  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N69390

<400> 2649  
 tttgagtttg aatatctttg tttaaaaggt tagttatttt ttttaagtat agcgtgagaa 60  
 atacaggcca ttattttcaa atatataaaa acatctccag taagttccac acagaatttt 120  
 ggaaagctaa gctggactca gagcaggtct gctgctcccc aaggcactac ccttcg 176

<210> 2650  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N69879

<220>  
 <221> unsure  
 <222> (1)..(402)  
 <223> n = a or c or g or t

<400> 2650  
 tttttttttt cccaggggagc cagagcccac gagccattta ttgccatgtt ttaaaattcg 60  
 tgcaaaatat ctgaagccct ggacagagaa tacaaagtga tattttccca agaaacataa 120  
 aactaggaaa agaggtgggg gacattttcc caccagagct cccccacgc caggcccca 180  
 gcagggtgag gcctccaacc cggccagctg agcagggang gactaagagc tacaatctgg 240  
 accaggaag gaggggtgga atttgcaaca gcgtctcaac taccaacgag aggaaagcca 300  
 gtcaactgta caagtctcct atcaactttt taaaaaaga gaaaagctgt aaaagtcagg 360  
 ccctgtggtn agggagcggc caagtcccc gccagggccg ga 402

<210> 2651  
 <211> 458  
 <212> DNA  
 <213> Homo sapiens

<220>



<223> Genbank Accession No. N69983

<220>

<221> unsure

<222> (1) .. (458)

<223> n = a or c or g or t

<400> 2651

```
tccaacaaaa acgcaagggt gttctgctct ttactaaata aacgttcctt tcccagaaac 60
cagcccaaaa ctcactactg ttcaaatatg tggcaagggt aggctctctg tcccccttta 120
ccaggagcac ggatggtgtc tgcaaggcag tgcctctcga gtcgtcaggg agatggcccc 180
tcaggctccc aaacctgcca aatacaggac tgtgagcggc tcgggagggg tctcctttgc 240
tctccatcca gcggtgcagc gggtccttgc gggggagaaaa gagccaaaca gccgcctttc 300
ccttctgggtc acagcacgag ccaggttcca ggcagagggt gtggcaaaaca ttgtcatcgc 360
cccatgggtga aactgggcac ttcctcctcc tcctctgttc cagatgnctc cgnagaactg 420
ctggaccctt gctccttggg ctgaccgggt ccttcttg 458
```

<210> 2652

<211> 435

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N70005

<220>

<221> unsure

<222> (1) .. (435)

<223> n = a or c or g or t

<400> 2652

```
ttttcggata aggctgtgct ttattacatg cataattaca aatctgtgct aagtgaaaat 60
gtataaagca atggcgacct gggtttaagc cacacagaga aagggtgga caatccatta 120
acccttctgc caatgtccat tccattgctt ttaacatgat tgtttccatt tcttacaatt 180
tgcatagcac ttacttgtca acttgctttg aattcattgt ctacgtttat cctcacaaca 240
accctgtgag gtaggtaggg caattaacac tatccccatt ttgcagatgg gaacactgag 300
gcacagagcg gttaagatct cgaggctagt tagtagaagc ataggaata gaaatcaggt 360
ctcctaactc ccagtcacac atcttccttt ttagactang ttgttccgca tgactaggga 420
gtagaataaa gcgag 435
```

<210> 2653

<211> 435

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N70057

<400> 2653

```
tttgggtgga aggggtgagc atgtgttttt tttattttta tttttaaaaa atttaaaaaa 60
ttccctattc aaagggtcaaa aagccacata agttttgatg atgatcaatt tgaacggagg 120
ctcgagatgg actgagagga ctgagacaca gaagtggggg gaccatgggt tttactgggt 180
ggaccacagg gggaccctgt ccaccgcct ggggtgacgg aagggtgtctg ggggtgctcag 240
gtgggtttgt tctcagcaat gcacggcaca cgtcagctct tggatcctcc ttggtgcctc 300
tcttgtctct gccctgagg tcaggctcct cacttgctgg gcactggcag cctctcttcg 360
atgcagccaa cacaggcagg cggacagaag gaccactgcc agaagcagga gcccgccag 420
ccccaggccc ccgta 435
```

<210> 2654

<211> 469

<212> DNA



<213> Homo sapiens

<220>

<223> Genbank Accession No. N70305

<220>

<221> unsure

<222> (1) .. (469)

<223> n = a or c or g or t

<400> 2654

```
atgattaatt tgttttcttt attgcaaaaa aaaagaaaaa agaaaaaaac atttgttcaa 60
aagctacctc aaaagtcttc ctaccaaaaca tgatttggca atctttttgc atgattagta 120
tgatggcagt aggagctttg ttttaataagc aaacatgatg aaaattccaa aagggtgctat 180
gcaaaagatc agaaggaaga tgtttttcct gagaccctct gccaaactgtt acttctgatg 240
cctttcctgc ttcttgaaca aggcttaaga cagcttctct gttccatttc tgaccactat 300
gtggcaccag aactttgaag taggaaatag aaaaaanaatc tgcttaacta gtgatttgct 360
gtgaatcttt aatcaatgcc tcttaaaaaat aattcattta tggcggggcg cagtggggaa 420
aagcagggtta aaaaacatgc agatcactct tgnccactac tgtggtccc 469
```

<210> 2655

<211> 500

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N70330

<400> 2655

```
ctgtttctcaa ctttggtaaa agagagatct tgtgtctcac tggagggtgc accaagcttc 60
aggcaagaaa ctgtgagctg gctgtcaaca gaatatggtt cttatcaagg ttcttattaa 120
tgctgtgcaa acaaggggtct cgtcatttca gtaactatct gtacatttat aaaagcaata 180
cagtcatggg aaaaaccaac aagcacagct tggtagaata acctgccatg aaatatcatc 240
ggctttataa taatttacta caactgttct ttttattcac actggatagg aaatgcttcc 300
atctaacaca tggaatacga atatacaca cacaattttg gctttaataa aaaaaaaaca 360
gttcaaaaagg acaataacac ggggggctgga aaacaataat tttgtggcag tttcctgatt 420
cataatcaca tgtctcctgc ctttttacag ggaatggaca caagtattga tggattttgt 480
aaaccagttt aaaacatttt 500
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<210> 2656

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N70358

<220>

<221> unsure

<222> (1) .. (435)

<223> n = a or c or g or t

<400> 2656

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ccaagaaaat aaatttatta aactttgaag gaaaaaatcc acagacataa agagagttaa 60
atataaactg ccagacacaa ctatgcatac tagtgaataa tggcttatgt ggccaccaa 120
gtaccaaaat gacattctga gactgattga ggtatttagc tatttttggc tatagaaatg 180
ttgtcaggct gttgtgaaat agtaagatag tcttccaaac acacagcttt gaattgaatt 240
aggttctaca ctgatgatac tttatatgaa actaaattat gtagctcttg gagaaaacca 300
tagcagcaaa gtagcagaaa atctatcaaa catctattac aaataacatg ttgaacttta 360
aacactcaat tctagctttt catagtcttc cctgcaagag agagaattta aaattatcag 420
ccattaagct tgcntcctaa aaaa 444
```



<210> 2657  
<211> 442  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N70481

<400> 2657  
gaatcaaaagg ctttatcttt aagaaagcag atttagagaa tcagaatttt cttccatttt 60  
ggttctatta agaaaagtat accaaattaa aaattaagaa ctatttttta atagataata 120  
catgtacatg gtacaaaatt caaaagggtac aaaagggtgta cattgaaaag tcattcccac 180  
ccctcttccc agaggcaatt caggctgccg ggctgctaga taccctccca gagacatcct 240  
aggcatatgc aggtggacat atgatataca cgtgtatagc tctgtgtgaa aacatatgca 300  
cacacataca tctacacact ttctccattc caaacattag gataccatgg gcttttttcc 360  
tcacttaatc atggcatctt ggggcccatt ctatggtagt acacacacac aggatccatt 420  
ggttttaaat ttctacaaac ta 442

<210> 2658  
<211> 446  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N70577

<400> 2658  
tccaggagaa tgactcagtt tattattctc aatttgaccc tatgtatccc actgtaggct 60  
caaacactgc acagagctgc cagctctaac ctgcgtaaca ctgcgtccct ggaagggtgaa 120  
gggggtaaac cacaaagtca gaaactttgg gaaaagccac ggtcgcatgc acacctctca 180  
aacaaggaaa caaactacaa gaaagggctc agtcattgta cacagcaagt gtgcagtggg 240  
caaagttctg ttcttttgac attggccaaa tgcgtaagtc cctggtttct tgggctcaat 300  
cacggtccaa ggtagtaag aaggccaaca atgttgtgag caggattcaa tttctacagg 360  
gtcatggggc atcatccacc atgtgaaggg gctccagcag gttggacatg atcaatacc 420  
atccagatta ggaccctgac gccctt 446

<210> 2659  
<211> 221  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N70678

<220>  
<221> unsure  
<222> (1)..(221)  
<223> n = a or c or g or t

<400> 2659  
tccacaattg cttaaaatat ttatttaaag gaagaatata atttaacaaa aaagtgttta 60  
ttaaaggggg aaatatatag taatatgttt aaggcacatg gcaaactttt ggcattaaat 120  
tgcaagaaaa aagaaatata aattatcaca ataaatttca gaatctgttt ctttagtcca 180  
aatagttttt ttaaaaaagt ctgaacagca gcagcngttc c 221

<210> 2660  
<211> 318  
<212> DNA  
<213> Homo sapiens



<220>  
<223> Genbank Accession No. N70861

<220>  
<221> unsure  
<222> (1)..(318)  
<223> n = a or c or g or t

<400> 2660  
agcttttttaa aatataattt aaaactattt tgtaccagta caatatatta attttacaaa 60  
tgtaaaaattt ttatcagctg ttaaagcatt tgcaaaaacc acacattcta cttcagcttt 120  
attgcacaat atctataaga naatattaat ttttaaatta gaaaacataa aaatgctttc 180  
aatatagaag agacaatctg attttaaaga caatactcta taagaatgtc tactcagaaa 240  
ataacaaact ttcacaggat accagctggg cagatgcttc ggcagatccg gtacaaagca 300  
ctgttttaaaa ccagtcca 318

<210> 2661  
<211> 279  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N70903

<220>  
<221> unsure  
<222> (1)..(279)  
<223> n = a or c or g or t

<400> 2661  
aacatcgcat ggcagatggg tgttgggaata attactttct ccacaatcta tcattttaat 60  
agttttataat agtgcagttc atggaaacat gccaaagtcca acaaaagcac aacagattag 120  
attacagtca gattgagaag actgggtgtg cggtggcaga tagacgtgct ggacatgctc 180  
cacacgacac ctgcagacgg gacatgactg ggaaaganaa gccaacagtc tctgttagca 240  
tgcaagcctc ggtggggggc ctgtgtctct gtgcacacc 279

<210> 2662  
<211> 443  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N70966

<400> 2662  
aggttagaac ttctgaagtt taattctaca gcacttgatga gcatttattt ctcttttggg 60  
tcacaaaact tggaatggga tttgggtatt tgagtaatgg gttaaacata tatattgatt 120  
agttcaggaa ttgagtact ttaagatcgc ttatcagaca ctttttagaga tcccagcaag 180  
aggcagattc ggtttctggg ttcataagat ttacagtcac tgaacaagtc tttaaaataa 240  
gtagcaaatt ctaagttggg gataggtgag gcttcttggg tagacacct gtctgtgttc 300  
ccggccaaga cttgatgatt ctgatagatg tactggaaat gctggagaaa gactcaggca 360  
agactggtgt ttttgctgct ctctctagtt taccacactg ggctttcaga attgccttgg 420  
ggaccagaat ccagggccac cag 443

<210> 2663  
<211> 470  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N71072



<220>  
 <221> unsure  
 <222> (1)..(470)  
 <223> n = a or c or g or t

<400> 2663  
 ttttggagag aaggataagc aattttattaa cccacgccc ctagcaccag ctgtcacctt 60  
 ggacttggtg gagatgcagg ggctagaaaag gaaatgacag agtgtacagg ccccttcgac 120  
 cccgtgtccc ataggtnngt tggcccccag acacaccctc tctgctggca gtgcagaaca 180  
 tgcateccaa taccctagag gagaaacacc accccaggga gagccctttc tgctccaacc 240  
 tcctgggcag gtcccagggt ggggcagcag caatctgcag gtgtttgtca ggccctggcca 300  
 cacattgcgg acagaggata cgactggggt accctagggt gtggggaggg tcggcctggg 360  
 gtcagggggc atgaaggctg tgttccagac tcctcctgcc cccaatctc tgtgcccctg 420  
 ctggagctct cctagcttct ctgatctgtg ctctgtctt tgggggaagc 470

<210> 2664  
 <211> 359  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N71542

<400> 2664  
 gaatggacaa taagctttta ttgcattgaa aggtcattgc agtgaaagggt tggggattgc 60  
 ttgctgctac agctgaatgg attctattct gaccaataca cacagaaaga gatcacagac 120  
 tccctacctt agaagaaggg aggtggtaga tgaaatgaac tgtatgaaga gccactagcc 180  
 tggccacac acagaagaag gactggcccg tcttcttgaa gcccatgctc tggtagaggg 240  
 ccatagcaga gagctggatg gtgcccgtgt ccaggataac ttcactgtag ccctggtccc 300  
 gggcaaaact ggaggacagt ccttgaccag ggcttttgc atcccccgac gacaggggc 359

<210> 2665  
 <211> 427  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N71781

<400> 2665  
 gacatccttt gtatgtttac tataataaca gcaaaatttt tccaaaccag agccaatttc 60  
 cttggctcta ggtacacccc ttccaagcaa tgcaaaggac atctccaatc atgacattta 120  
 agacaattct ttattttctc gacagtgcact tcttgaagtg cacatataat aaataaatag 180  
 aaaatatatc tttgttcatt gtgatgccta caagaaatgt ttacatacaa acactctgta 240  
 catctaactc ccgaaaaagg accagctatt tcggcaacag aaaaaagaca agcatttcag 300  
 aggagcgttg cttttcctta aagacctaac tcacttaagt ctttaccaaa cagaaataac 360  
 aaggaggagc aattttctaa gcaataagaa aatttgtggc taccaaggaa aatgcctaga 420  
 tattggg 427

<210> 2666  
 <211> 248  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N71935

<400> 2666  
 atattttcat ttttcatcct aatttactga agccattttc tttggttagc tttagaatta 60  
 tctttcttta tactaaccag cttagcatgt aataattctt gcccatgtga ctacaaaaca 120



ttagatatct ccacaaataa aaacgagatt caccaacaca aatattcctt ctctttaagt 180  
 tcacaaaatg caagaagaaa agaaaaatga tgtaggttg tcagtaagga aagcatttct 240  
 agatgaga 248

<210> 2667  
 <211> 507  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N72116

<220>  
 <221> unsure  
 <222> (1)..(507)  
 <223> n = a or c or g or t

<400> 2667  
 ggatttttta aaaagtttta ttgaaatgta gtaagtctta aaataaggca gagagggtcat 60  
 atattttaatg ctgaaagggg aaagtgatgc tcaaagtcac acaaaggctg caggatttgc 120  
 tgactcaaca cctttggggc tagaaagaaa tgaggagtga gctggatgca gtggttcacg 180  
 cctataatct cagcactttg ggaggccaag gccagcagat tacttgagct catgagttca 240  
 acaccagcct gggcaacatg gtgaaatccc gtctctacaa aaaatacaaa aattagctgg 300  
 gtgtggtggt gtgtgcctgc agtcccagct atttgggatg ctgaagtggg aggatggctt 360  
 aagcccaggt ggcagaagtt gcagtngagc tgagatcaca ccactgcact ccagcctggg 420  
 caacagagca agaccctgtc ttaacaacaa aaaacgcngg gtgcagtggc tcacacctgt 480  
 aatcccagca ctttggaag ctgaggc 507

<210> 2668  
 <211> 449  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N72200

<220>  
 <221> unsure  
 <222> (1)..(449)  
 <223> n = a or c or g or t

<400> 2668  
 gtttaaaacc aagctactgc agcttcaagt attttgcatt acatagaata ttttttataa 60  
 attagttaat gttatatatt caatattcag acatatacta taatatatat acagtacaat 120  
 aaatgctctc attctttttt taattttttt ggataaatcc ctgagaatgt atgttgacag 180  
 tcgctaagtt tccacatgca caagcatcgt gtgccatgct tctggacgaa cagcactgca 240  
 aagccacatg ggtcagccct ttttactatt agtatctcat tttgttggtt tgtttaaata 300  
 tgctgaaaat gtaaagatga gttacaaagg agtaaagctg aatccattcg gggtagttat 360  
 cacaggatgg gagngtttg ggttnggtt tnaaagccat tccaattaat ttttttttgg 420  
 aaggcctntt gaccgtttac cggaacng 449

<210> 2669  
 <211> 483  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N72259

<220>  
 <221> unsure



<222> (1)..(483)  
<223> n = a or c or g or t

<400> 2669  
gtaaatgtat ccatatataa tcatcgacat gacagatgag gaaacccatg aagtttccca 60  
ctagtcagat atacattttc acttcatcag aagcacctga tatctacagc taattttataa 120  
ttagatactg tttcaatgaa accaaaatga gccctacaag ttcctataaa caaaagcttc 180  
caatgtacta ggacagtcag taattaatgc atcattcaga ggattatggc tgttccctaa 240  
gaagtgaag ttcaaacctg tcaacaccag aggtaatcat tttatattaa tttatacgta 300  
ataccattta aaatctttat ctggagtata acatatggaa aacagtcttt ccacaagcaa 360  
aaatgtggga accattttaa aaattaagga gtcatttttt aaaagtaacg gatcagattc 420  
cacaggctac tctnggacag gatctggcng gatagaatcc cttcatttgg tggcttttgg 480  
cag 483

<210> 2670  
<211> 292  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N72695

<220>  
<221> unsure  
<222> (1)..(292)  
<223> n = a or c or g or t

<400> 2670  
tgtgcttttg acacttttato cgttttttatt taaaaacatg ctaaaaacat ggtgttccat 60  
aaagccagga ccaggatgaa ggaacgcaca gatacgga tgcgaagcaga aagtgcattct 120  
gaaaccaaca agcgtgctca ccctgctctc cctcccgtgc tgcccggggg angcaagggtg 180  
ggcaaggagg gggcaggaag ccccatggc ctcacctct gagtcccaa tcagggcagg 240  
gaggccaggc cccaccctgg actattgact cactgcagtg gggaggagga aa 292

<210> 2671  
<211> 413  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N73278

<220>  
<221> unsure  
<222> (1)..(413)  
<223> n = a or c or g or t

<400> 2671  
tgaagactta ccttctgtta atacttagat tacttaaaag caacaggctt gttatttgat 60  
cataataaaa tgttttaaca aagctactgg tgcaaagggt gagaagggtg cttaaattcca 120  
cattctaaaa cacattataa ctngaaataa ctgaaatata cactatataa aaaacattat 180  
aactgaaata tacagaaatc actcgaatat attatcctac tgactcattc cttctgttta 240  
ttactgtatt gccacattgg agttccatat ttccagctat tctttctacg gtacaaatgg 300  
ttccacacta ccaaagagaa aagaaaagct cactgagctt taaccctgag agaactcaga 360  
gaaaaatacc cctggtggcn ggtatcnac aggggttatac ccgggaaaag gaa 413

<210> 2672  
<211> 486  
<212> DNA  
<213> Homo sapiens



<220>  
<223> Genbank Accession No. N73461

<220>  
<221> unsure  
<222> (1)..(486)  
<223> n = a or c or g or t

<400> 2672  
aacgaagaag tgagtatttt attattttgc tgtacagctg ttgcttcact atataaaaaac 60  
agcaccagca aatgcagtggt attgcaaaat taagatagtg ttgttcttca tctgacactg 120  
tacaagcaac aaaaacttct tcaactccag ttattttccaa tcggaaagat cattaagtat 180  
ttcatcccaa atccaggtat ggacatacac aagttacaat attatataag gcttaagaat 240  
aacaacatta tctttgaatt atgtaatttt tgtaactaat ttttaccatg gataatttca 300  
tggataattt catgaatact agagcctagt ctaaaaatca taggatgttg tgaaaaagac 360  
acatattatg tttatctaca atcattagaa agttaaaagg catcttcttt cattagcagt 420  
gttaacagta gttttttttt cccatgggga atgcnaaaag ttgcnattcc aagtcctcna 480  
tccacg 486

<210> 2673  
<211> 466  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N73468

<220>  
<221> unsure  
<222> (1)..(466)  
<223> n = a or c or g or t

<400> 2673  
tctccattca attcatattt aatagaccac catctcttct gccttcatca ggaaaaaaac 60  
aaaaacataa acaaaatagt atctgcctat gattaatagt atttaattac acgcactttt 120  
gtttgagttt acttccttgc tttctgaaaa aaacataggt atttagacac tagttcatga 180  
tgataaaaatt aaaatttagt tttacaaaca aaaattgaaa ctgtcatttg taggaaaaaa 240  
attcaaattt aaaattgtta tttttcacta ttcttagata gcaagagaag taagaatttc 300  
tttactngng atttatatca caacagaatt ttttccttga caaaggacct tttaaaaatc 360  
ccaggaaaagg accacaaaat aatcaaagac tgcacattgt aaataaaaacc cttcagctgt 420  
tattgaaaca taagtataat tacacacaag gaaaagggtat tataag 466

<210> 2674  
<211> 219  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N73543

<400> 2674  
cctcattgta tattttatat cttatagaac tttcattaat gaatcatagg aatataccag 60  
ctcttcaaaa attaaagacat tatacaaagt gaaatactaa aaacagaaat atgtgttttt 120  
ctcaataaat atgcttctca ggaaagactt tacagaaaca tctcttctta tccgaaatta 180  
catccaaaacc ctttttttgt gtgaagtgtt gcttccagt 219

<210> 2675  
<211> 450  
<212> DNA  
<213> Homo sapiens



<220>

<223> Genbank Accession No. N73561

<400> 2675

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tatcattgac ctttgaggtg cactattaaa ttgctcagtc cattaaaata acggattgct 60
gatttaaaaa ctgggttcctt gcttagcttc agcaaaacag caaagtctac cacattaaat 120
gtatattgtt tatttgattt ttattcgact ttgttgctt attttaacta cttaattgca 180
aatctgtctt ggggttaaca ctgtgtaaga gttttaaaagc ataagaagtc tgtacttaga 240
gtttagatgt acgttttata tttgtacatg ttgatgtaac attttaataa taataattca 300
ggtctgctgg gcatgggtggc tcatgcctgt aatcccagca ctttgggagg ctgaggcggg 360
cggctcacct gaggtcgaga gttcaagacc agcctggacc aacatgggag aaaccctggt 420
cttactactaa aatggtaaaa ttaagccagg                                     450
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<210> 2676

<211> 129

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N73705

<400> 2676

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gagataatta ggaaagaaga tttattgttt acccttgcag tgtttatggg gggaaaaggt 60
atttacagaa ttactgttgc tagcgagaat atacagtaaa gtttaaaaca ttttgagagaa 120
ttgaatttg                                     129
```

<210> 2677

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N73762

<220>

<221> unsure

<222> (1)..(381)

<223> n = a or c or g or t

<400> 2677

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tccaattaaa tcttttcttt ttttttatga aaaaagatca cacagaattt gccaaacaaac 60
aaaattccaa aagaaacata aaaaaaaaaa accaataatt cccccaaaaa acaaacccaa 120
agtctggctt ttccttccct caagattgtc tgggtgaggc cttgggttcc cttgaaggct 180
tggggcctgg ttaagtgtt tctgggggcc aaggnggan ccctggggct tgggccggct 240
cctgcctctc cctcttctct ccctaacaaa cacttctcta tcctgggggg tgagtacagt 300
acacttggcg ggggtgggcg ggggtttgct ggggactggg naggccggtg aanccggtgg 360
ctagaaactn taatctaaca g                                     381
```

<210> 2678

<211> 165

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N73808

<400> 2678

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ctctttgagt aactttattt tggaggagtt ccataagcat taggaacata cataaaatga 60
cacaccactg ttgacaatga aaaaaaaaaa agcatttgat attttccagc tttttaagtt 120
aaaaaatgat tcagttaaaa caaaacaaaa gtttagatat tttag                                     165
```



<210> 2679  
<211> 326  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N73846

<220>  
<221> unsure  
<222> (1) .. (326)  
<223> n = a or c or g or t

<400> 2679  
aacattcatc atgtgattta ttccttacaa tttacacaca ttattttact taatcttgat 60  
gcaaccgtga ttatccttat tttgagaggg ccagagaggt tacataactt atccaaacca 120  
aggtcaccgc ctcaataaga cagcagantc agatttgaac gctgactcca aaatccaggt 180  
tgggtgaatgc tgcacgggtcc tgccttctctg cgggtgacact aatttactcc atctaagttc 240  
ccatcatctc ctggtcagaa atccctgggn aaaactgagg gcanagggaa cctgcaggtt 300  
taccagaggg aatcttgggn aggtct 326

<210> 2680  
<211> 229  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N73865

<220>  
<221> unsure  
<222> (1) .. (229)  
<223> n = a or c or g or t

<400> 2680  
ttagtgcaat tcctacattg agtactagat aanaatactg agggccattt tgcgggtcaa 60  
tcaaaagcaa caaagaacag atgtccattt aactaatata tggagagaga gaattttcca 120  
ctcactcagt gtactacagt tgtacctgta atattccact tggtgccagg ctctatagaa 180  
accatcnaga gactgttccc cctntggcna ataaangggg tttaccgga 229

<210> 2681  
<211> 386  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N73883

<220>  
<221> unsure  
<222> (1) .. (386)  
<223> n = a or c or g or t

<400> 2681  
aatgttctaa aaagtacact ttattaaatg tgagaagcnt actggcaact gaaacatggg 60  
ccagcagaaa gtcattgcct cccaaatggc tggactcccc acaatttcac tcatgaatat 120  
aactatcagg tccaggaatt gcagggtttg cttgcatttt agtctttaag ctaagaactg 180  
aatctccagg caaatgtgtc ttggttgggg agagcagtct taaatgaaga gtagctttca 240  
aaccactcca tgtctttttt caaatttcct caaaggatag gactcacttt ccagctgtag 300  
aaaaatggtc ccnttctcct gcttgtgggt tccaactgtt ggaagaacga tgagtcacgc 360  
tgactcgnag actttgacat cctgaa 386



<210> 2682  
<211> 149  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N73988

<400> 2682  
tttcacacgc acaacttggg aattttaatct tcacttttcc tcccataaat atagagttag 60  
ggtgtgatac cagccccagc ccagtctcct tggggctctgc atctctgctt cctggcagcc 120  
tcttgagtcg acttggggat ttgacgtca 149

<210> 2683  
<211> 147  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N74018

<220>  
<221> unsure  
<222> (1)..(147)  
<223> n = a or c or g or t

<400> 2683  
ttgacaattt taaattataa tttttattcc tcagtcacca ctgctaatac ttcaatttat 60  
ttcaaagtaa cttctgggtt ttattacatt tggaagataa agcaacttat cacatgtagg 120  
ttacaactta aaattcgtgn attgang 147

<210> 2684  
<211> 141  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N74025

<400> 2684  
tagcctgata tattttaata attctgttat tagtttactg catcttataa cattttcttt 60  
tgaatcaagt cacagccgtg tgtacttttag gctgtggcat cataaacaaa tatgtaaaga 120  
cacagagtta aaatagatga a 141

<210> 2685  
<211> 391  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N74422

<400> 2685  
actcataaaa cttgtgttta ttgaatttca gcctctgtgg cttcttcaat aaaatgttgg 60  
ctcccatgcc ttcaactctt ctttgggcat gagaccagtg ggttggagga tggggagtgt 120  
gggggttggg atgacatgca ttgcctgca ggggtgcctcg gaggtagcag ggccagccat 180  
gagaacaaaa agctctgttc tttttgtccc ttgggcctgg cattggcagt cctagcacca 240  
cacagtggac aagcatgccc accaagcccc attggtacca cgaagtctca tatgctagtc 300  
ctttcttttag caccatctct agaagaagca gaagcacctt attcagtaac tcatttgagc 360  
atggcaacag atcctatggg agggcctccc a 391



<210> 2686  
 <211> 436  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N74558

<220>  
 <221> unsure  
 <222> (1)..(436)  
 <223> n = a or c or g or t

<400> 2686  
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 atagaactga acatcagtga attttgtaca acaaaaacag cttttaatat ggaatagtcc 120  
 atgaacattt taaaatctcg gaatggcttc cctttttcaa agtcatgctt tcttgcggtc 180  
 cacaaggagt tggcacagag gagatggtgg cagcggcggg tgagggtgagt ggaggacagg 240  
 gcttctctca gatccgtgtt agctgggtgcc acagactgga tgggaggatg ctctccactt 300  
 ttctccatga caaagttaa gggggcacaac aaagtgtgga ggaaagcatt tgcgaagacc 360  
 ccataagtt ccgggaactg atgtgtcagg agggccagca tgctgttgaa ggaacataat 420  
 ccagcagtaa agagaa 436

<210> 2687  
 <211> 496  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N74624

<220>  
 <221> unsure  
 <222> (1)..(496)  
 <223> n = a or c or g or t

<400> 2687  
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 aggtgtgagc ctacagaaag gggttcaaag cacctacttg gtatatgtta gtgaaatcga 120  
 tagatcagaa gcacaaaaag agtatttatc attccacatg gtctgaaaca agacacaaaag 180  
 ctagaagtcc cccatataaa ggtttggggg taaagcattt ctatgtctgt gccaacaagg 240  
 agaacttcca agtatagcca tggccatagg gtgtgactgg taaaagatct gggcatcttg 300  
 gattcaaaga tcttatcatt gctcacagaa agcccttgta catgtctggg ctttggggcca 360  
 gggcagggtta gccctaacca tccaacaacc ttctaatca tcaccaggta aactngggaa 420  
 atttatcccc tnggggatag accccagagt gcctcntagg gggagagatg ggtaggagg 480  
 ccnaataccc cagggg 496

<210> 2688  
 <211> 170  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N75072

<400> 2688  
 atcaaaatgc atcttgttta tttggctttt gaaactgtta taacacaact tataacattg 60  
 gaaatacatt attttattaa tacaaagtag ttttcatagt aaaataccaa attaatataa 120  
 aggcagaatg aaacgtacca tatacatgta gacgacaaat gaaaactgtc 170



<210> 2689  
<211> 539  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N75120

<220>  
<221> unsure  
<222> (1) .. (539)  
<223> n = a or c or g or t

<400> 2689  
ggcgtccct ctgaattcta aacagcta at tctagacact aacatctggn tcttataatt 60  
taccgggtctg gtatggacat gaacagttcc agtgcctttc aacttatccc tgaatttttc 120  
tcttctcaaa gttctaggca gtaattttta tgccctcaaa ttagataaag ctgattactt 180  
agagcttata aattagctac actttatgac actaagaata gagctatgac ttatgcatat 240  
catacctgtc aagctaccta gcaccacgaa tagaactaat attaattggat ggactaatac 300  
aaggatctaa tatatgtcag tgatagtctt aaaaacaccg atttggtatt ttccttatat 360  
ataatccaaa ttcctttcta tcttctggtc aatgtttcta ctgcctgact accttaaata 420  
actatatagt gncaatttct tgcttgggcc gggtggtggc tcatgctggt agtcccagca 480  
tattgggagg antgcttgag ccangagttc gagatcagcc tgggcaacat ggtgaacng 539

<210> 2690  
<211> 286  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N75203

<220>  
<221> unsure  
<222> (1) .. (277)  
<223> n = a or c or g or t

<400> 2690  
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tgagcctgat tttgttgctg gttttcatca tctatgaggg taaaacgagt acccttaaaa 120  
tccctgtggc cagtttgaac acccctgttg tattcttttc tctgttcagt gtgtcagcta 180  
ttttgtgaag atgcttagat gtatagtttt nataaccaca gttttaaatc tttaatctgt 240  
gcataataaa aagatatata tcagttaaaa aaaaaaaaaa aaaaaa 286

<210> 2691  
<211> 177  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N75541

<400> 2691  
tgcaaaatct gttatcagct ttattaggga aaacatcagg tctctttaca cgttgaacag 60  
gaactgctgg ttaacaagac acgattaact tgctaggaat ggacaaggac agcgacagga 120  
tggtgcttca cagtgcctcc tgctgatggc accttcattc tggtgcaga attctcc 177

<210> 2692  
<211> 212  
<212> DNA  
<213> Homo sapiens



<220>  
<223> Genbank Accession No. N75870

<400> 2692  
tcagcactga tggaaaatac cagtgttggg ttttttttta gttgccaaca gttgtatggt 60  
tgctgattat ttatgacctg aactgattat ttatgacctg aaataatata tttcttcttc 120  
taagaagaca ttttgttaca taaggatgac ttttttatac aatggaataa attatggcat 180  
ttctattgaa aaaaaaaaaa aaaaaaaaaa aa 212

<210> 2693  
<211> 241  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N76012

<400> 2693  
taaaaggtaa atcatttttta ttgccacaaa ttgataaatt gttgtgaaaa aaagagaaac 60  
tggcacacat gaaataacac aaacataaga agatataaga ccaaaataga tttgaattat 120  
gtctcccagg ctggattgca gtggggcgat ctcagctcac tgcaacctct gcctcccagg 180  
ttcaagcaat tctcatgcct cagcctccaa gtagctggga ttacaggcat gcaccaccat 240  
g 241

<210> 2694  
<211> 175  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N76086

<400> 2694  
taaaacaggc ttacttttcaa catccattta caaacatttg ttgaaaaata ttttaggagt 60  
atgtgtttta acattattcc gaatttactg ctccataaag cctagtgaat atttaaattc 120  
ttgaatatgt tgccagaaaa agaagcagag atccaaaaac aagtatatga ccaga 175

<210> 2695  
<211> 481  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N77326

<220>  
<221> unsure  
<222> (1)..(481)  
<223> n = a or c or g or t

<400> 2695  
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ggctactcaa agaaagactt ctcatccgtg ttccagttcc tacgagagga ggagaccttc 120  
tgagtgtgcc ctttggcacg gacactgttg ggaaccaaac tctgtcttgg agcctccttt 180  
tagctcactc cacaagtaaa tgganttaat caaaggtcac ctatctgctt ttgattgtct 240  
aggtcacagt aatccctagg atttttcacc gcttattctt tttgtctttt taacaaacat 300  
attatccgaa ttttttttct gcaagccact gatagtctct gctaactagc ttaattgacc 360  
tttttacaaa gtttgatccc caagcatcct caactaaatc attgaatact tcaatcagga 420  
tattatctgc tttactttac aaataaaaacc aaatcttttg tcaacaggat gaaacccatc 480  
g 481



<210> 2696  
 <211> 520  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N77606

<400> 2696  
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 agctcaatgc aaacacagcc cctccgtgca tctgtttctg tgaggttctg gaatcccttc 120  
 ctctgtgtcc gtgagtctga cagaatcgat gatgttcctt tagagctggg aaattccatg 180  
 tgtttattca cggaggggaa tcaccattac ctcccttgct ttctttgcct gccttgagaga 240  
 aatccagagt cttcggaatg gcaaaggcag ctccctggatt tccctggagg gacggcacta 300  
 gctgagggaa gtagctccct tcattcatga tgcacagttt acgcagcaga cacacaactg 360  
 cgcctactaa tttgtctcgg gccctgcaag gtggctgcct aactttgatt tgtaatttc 420  
 aagctctctc caggatagtg ccaaaggtg caatgggaaa cctgttttgc tgggggggct 480  
 ctaagatcac tggctccaga actcccgggc tgcaagggtg 520

<210> 2697  
 <211> 329  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N77947

<220>  
 <221> unsure  
 <222> (1) .. (329)  
 <223> n = a or c or g or t

<400> 2697  
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 cctcaccgcg cctccgctgc tcttctggag gtctgtcttc ttgttttctt cctctgcccc 120  
 agcctgggtg tgccccaagc cctgccctgg caaagagaga actgtgcaca gcggggaggc 180  
 tctccaagcc agagntcgc acgcagctga ggaatgacgc aggggcctgc aggaagctca 240  
 cgcggagaca ggtctgtggg gccccgcgtc agaaccact tcacatccca aaagnccan 300  
 ctgcttttga tctttcaatg ntgggggttc 329

<210> 2698  
 <211> 456  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N78850

<220>  
 <221> unsure  
 <222> (1) .. (456)  
 <223> n = a or c or g or t

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 gaaagtcctt ggtgaagtag taaaaatatg aattttatta aatctcagcc ttgagtacaa 120  
 gtcttgctgt tgaactgtact tacaagtttt gtcctcccca aagcatatgg cgtcaaggct 180  
 gggctaaccc agtctcatga ccttggtgaat ccagtccana aacacagaca gagacacgtg 240  
 tgaagacggc tggccagcgc gaccttgcn aatactcggtt ggggattcta attcctttca 300  
 ggaccagca gttgtgggta aagcaggcaa gtggggcccc gtagtcaccc tcacaggccc 360



ccacacgnga aacaagttcc ctcagtggca catctcgctc tcccgcacat gtctctgggtg 420  
 cttgatgtta cactcctggt tggagatgac attcag 456

<210> 2699  
 <211> 416  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N78902

<400> 2699  
 aatgtacatc atatttttta tagaagtgat tatatcacaa agaaaaatcc tgccaaacaa 60  
 ctacaaatca agaactctgtg ggcaaaaagc tcaattcata caatgtaaac acattgaaaa 120  
 aacaaatgca aaataaaaaa agctgttgat acatcacctt gaaaaattaa cacaactaaa 180  
 ttaagggcta tagaaaatgt gttcagctta tatatcatac acgtcattta acttgaattt 240  
 tacaattttt aaactaatag aattcagatt tattacttga aataatggta taccagctg 300  
 ttcttcataa tggcaagcat attccatata caatacaatt tatttagcat agttttatac 360  
 tcttaagtaa aatatgttag tggattaataa gcataaagga ataaatatgg cccagc 416

<210> 2700  
 <211> 423  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N79435

<400> 2700  
 aatgattctc ttcctttttc acaactgtgc agtcactgtc ctattgtgtt ctattctgaa 60  
 aaacaaattt ttttgaaggt caagtttttc aatggcacaa aactatttgg aatgaaccca 120  
 aaagatagcg gaaagttggg tccctctca agtagtttcc tctctttta acagcatcta 180  
 actactctct atcaataatc tcatcacagc cgagttcttc ggtagacga ttgacaacca 240  
 tcagtgaata aagctcttcg ataaaagcta actgatcaaa cggggtcttc tcataatgca 300  
 tctgaaaccc gccatccagg gctggttctc ttgttctcag aaacatcttg tgggcttctt 360  
 caagagcggc tgatactctg tagccggcac cactgagctg ctctctcttc ggatagtcgt 420  
 agt 423

<210> 2701  
 <211> 446  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N79778

<400> 2701  
 atgttagaaa attttaatat atgatttttg tagggccaat acatagtaaa gacatagctt 60  
 tatttcaatt gaaccgaata aaatgatgta tttcagtaaa ttaaggcaaa ggagatagat 120  
 gctatgacca gtgggtgcaaa atttttcaaa aattttatata ttagatttac ctttacaagg 180  
 ttatagtcaa gaataattaa tttgtatttt aagcaaactc tactgctttt caaaaaatgt 240  
 cttaatcttg agtgaggaat agtgaaggta atcttaatat actgtttaac tttaaaaaat 300  
 aatttttagaa ttatagaaaa gtttcaaaaa gagtatagaa tttatgcaca cctttctgcc 360  
 agctttcctt aatgttaaca atgtacataa ccataatatg attttccaaa accaggaaat 420  
 taacattaca gtagtgtttt aatttt 446

<210> 2702  
 <211> 409  
 <212> DNA  
 <213> Homo sapiens



<220>  
<223> Genbank Accession No. N80129

<220>  
<221> unsure  
<222> (1)..(409)  
<223> n = a or c or g or t

<400> 2702  
agtctagatg aatttattgc cattcacata tttcatagaa aaaaagatgt agcaaacggg 60  
tcagggttgt acaaaaaaaaa aaaaaaatcc aggtttatat aggttgctct atttacatct 120  
gagagcacag ctgtctctggc atcaggcaca gcagctgcac ttgtctgacg tccctttgca 180  
gatgcagccc tgggcacact tggcacagcc cacaggngang caggagcag cagctcttct 240  
tgcaggaggt gcatttgcac tctttgcatt tgcaggagcc ggcacaggca caggagccaa 300  
caggcgangc aggagcagtt ggggtccatt tgcaggcaag gagaagcagg agttcccgat 360  
tcaagaggaa aacacgcagc gggacagatt ctctgtgccg attcttggc 409

<210> 2703  
<211> 286  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N80703

<400> 2703  
tgtttgcaag ttactagatc atacaaaaat aaccgctaca aattctctgt atctggcata 60  
taaaaaactga gcaaaaagta tctcttaaag caaaacatct cagaaaaaaaa tacaacacag 120  
gtttaacttc tgcagtactt tggtcatata aaacactagt aaaataggct tcttaaaaaat 180  
taaatagtga aataccaacc aaattatata cattgttaca gtacaagtga atgaggcaaa 240  
atatccagtt cttagtttcc cagggtgggtg ggggtgggct tcagtg 286

<210> 2704  
<211> 413  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N81025

<400> 2704  
gttgcttgtg tttttagtgt catttattta agaaatcatt gcctaattca aagtcagaaa 60  
gatttacgcc atgttttctt tgaagatact tataatatta gctcttacat ttagatctta 120  
ggtaacttt gagttaattt ttatatgcaa tatgaggtag gagtccaatt tcattatttt 180  
gcatgtggat atccatgttt ccaagcatca tttaatgaaa aagactattt tgccccatt 240  
gaattgtctt agcactattt tcaaaaagtc gttgatgata aatgtgatca atatttctgg 300  
accctcaatt atattggtat tttactcttt ctgatgctgt caattttttt cttttctttt 360  
ttgttttttt ttgagtcaag gtctaactct gtcattccagg ctggattgca gtg 413

<210> 2705  
<211> 421  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N81036

<400> 2705  
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agcagaaaca tattaatcag tttgaaattt tagaaatcct ttagcacttg aaaaagagta 120  
ttacaaatgc atctatatca catagaaagt cagcgaatac aaactagaca agcaggacat 180



agttcttttc tggcattcca ggataataag aatattttatc aattaaaagg tcaatatctg 240  
tcttcctgaa ataactccaa acctgagtca acacacattc ttttcggatt ggttctgact 300  
ggcgtaaagaa gagaaatata gcattttgtt ttttattttg tttatctaata cacaggggaag 360  
gataaacaataa gggcaaaagt gagagaaaaa gttagatgtc cttgaatttt ttttttttagt 420  
g 421

<210> 2706  
<211> 341  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N87590

<400> 2706  
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ctgctacaac cagctcttat aagtaagagt gaaaaagtat tcttttcttc tttaaaaaat 120  
aagtttttct tgcttatagt taattctaga aaggcaatac taaaggata tatttttttc 180  
aaaatgctat tttttactgc acttgataat taccctgaca gctctgatct ctgtaataga 240  
ttcactcttc agctctgggc agaccagagg cagggttcac accaaatttg taaataccat 300  
atgtggtctg gtgtcaggac ttttttcttc tgtaaaaaag g 341

<210> 2707  
<211> 298  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N89302

<400> 2707  
atccagtgtg aaaaggaagt tggaatggga gttggcgggc agtgaacgag tgtggggaag 60  
gattggtgct ggggcaacag gaaggggcct tgggcgtttg gctgcactaa ctttggttagc 120  
tcagtgtgca tctagagtgg gacttgggag ggagctaagc ttgggctggg ctgcttgggg 180  
cttggtcatag ggtggaaaag gctacctggg gctctgacca cactgtagta tgtgtggagg 240  
ggcctcccgt ctcccacaac ttctgctata acaataaact gtagaggatc ttaaagag 298

<210> 2708  
<211> 166  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N89670

<400> 2708  
ccatgagatg cctgccatga caggcgccac aaacctttcc tttattgcaa acatgtccca 60  
gtcccgggag gcttggaag agtggaacc aggggaaccc agggatggga ttccactgaa 120  
aacaaccgt cctgctgtcc tgctgagggc cccacccac aggatg 166

<210> 2709  
<211> 436  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N89738

<220>  
<221> unsure  
<222> (1) .. (436)



<223> n = a or c or g or t

<400> 2709

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gaagtatact tccaagcaaa atttattaga tgtctattca agaaaaacac aatgaccttt 60
gcttgtaaga attcaaagtc aattacctgg aagccaggta tgaatagttt tttcttttaa 120
aatcagatac agagagtaga aacagtaatt tttcttaa atgacaggca acagatattg 180
aagtcttttc tcataaatgg catcaaagag aattattcat ttatcagcaa agngcatgca 240
gttgacttaa tttcaaacct gaagccttta aaatatgaag ctgggttatga acttgacaga 300
aatcaaggta ggctactcaa cgatgtttct ttaccttctt cctaattggaa attcccttgt 360
catcagtcag tagatatgta catttcattt gggcttctac ggatcttttt aaccttcata 420
ggattttttg cataaa 436
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<210> 2710

<211> 432

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N89937

<400> 2710

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gcatcagcaa gtttattttac aaatgcaatt gaacagaaag gctcaccagt ttctgaagaa 60
gacttctagt atacaaacca tgggtatttt tcattaatga aaataagcag ctttctattg 120
ggaattactt agcaacattt ctggtaaaga aaatagagct cccttcatca agcaaataaa 180
tggtacatta actgcatttt taaaaatcag aataataggt agaaggaagg atacagaaag 240
cacatttggg gatagatttt aatgaaattt tccatatggg tctgcattaa tttagaatac 300
attacaataa acagagcaaa tgcaattttat gtattttatat taactatttc aaataatgtt 360
taagaaccct tttttaaaaa accataaaat accctcttca aaacaccact aactaggaaa 420
gtccaactag at 432
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<210> 2711

<211> 397

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N90238

<220>

<221> unsure

<222> (1)..(397)

<223> n = a or c or g or t

<400> 2711

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ggcttggttaa aaactaatgt gtaagttttc ctgtttcctt atctccagag catttggcat 120
tctttatcaa ctggtacata aaagaataga aaaataaaaag attgtcatat tgccctctgt 180
atcttctctt taatatatca gtatggtagt ctaccagaaa gtagtaaatt gcttcaattg 240
nagaaaggga agnnaccggg ctccctttt nganggcgcc aaaagcaagt ttttcttgtt 300
ttcaactcaa cttgtaacaa cccttggaag tcgctcatca gtgaatatatt tgtttgtttg 360
gttccagggtg ctatctataa atataatttt tttcagt 397
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<210> 2712

<211> 418

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N90273

<400> 2712



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atggagacta tttcactttt ttaatcaaag atggaatatt catcacagtt ccccaaggga 60
ttttctaact ggcctgggca aggagttcac ttgtagagt tagttagtga aaacatccag 120
tgccaagcc tcataataa ctgtatccaa aaggagacgc tcgcttgggg tgtacccaga 180
gaaaacacca agctttcctg gcttcccggc cctccctctc ccattagtc tttgggggtgc 240
atacataagt gttgtgtgaa gtctcttggg gtttagaaga tcttgactc attgatggag 300
aagagcctcc ttctgtttcg tctcctggcc tggttgacgg cagtttcggg acggcgact 360
caaacacctg ctgtactccc cgattgctaa gggctgagca ctccaggtag cccttggg 418
```

<210> 2713

<211> 265

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N90584

<400> 2713

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cgtgttttct ggaatttatt ctcttttatg ctgaatataa aatatgtgat ttcaccaatg 60
ctttaagaga caaacacata caagttgaaa tctgaaaaca ataattatat ggagcaaagt 120
gcagcctgac acttaacaaa agctgttaaa tcgaaaagta tctctagaaa aagcaaaacc 180
cctatagtaa aatcaaacac aacagaaaaga agctttggta cttttcaata acgggagaca 240
aaaaaaagtt tagtttatta ttaaa 265
```

<210> 2714

<211> 519

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N90820

<220>

<221> unsure

<222> (1)..(519)

<223> n = a or c or g or t

<400> 2714

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gattcttggg gcctttggga tcgactgggt ttaatggcc tagttatttg aggattttgc 60
tgtgttgttt tccatgtctt ctctggtcac cttggattat atataaaaat acaggaaata 120
gataaacatg aatgtgatta ataatgctga aaaagtatta gcctaccaa gacacactca 180
ggcttttagt aataacttta cataacctca gtttttaaca catgcatatc ttctccaacc 240
atgaaatcaa agcacgggtg agaacttgta ccaagtacaa aagggtccatg tatgattagc 300
attattttct tttgcttttg tttatggaca atgttcagct gacataagca gaagttggcc 360
aaaatactgc ctgtactgtt aatttcctgt ataataaagc aggttaanct 420
caatgatagc agttaaaatg tctaccttat gtattctttt aagtattcca ttatggtgct 480
ctgaccgttc ttttggtaaa agaaaaatgc catgggtgc 519
```

<210> 2715

<211> 208

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N91023

<400> 2715

```
atattaaaca gtttatttca gtaacattgt aaggcaacaa ttaatcctca gtaagtcagc 60
aaaccagtga caagaaattg acaaacactc cttctacagc ttcttgagac agcaggctgg 120
cttgtggccc cctgggtggt aacatcttaa ggaatcctat catgtttgtt tatatatgct 180
aaactgtaaa aacaaacact tcctgggg 208
```



<210> 2716  
<211> 489  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N91087

<220>  
<221> unsure  
<222> (1)..(489)  
<223> n = a or c or g or t

<400> 2716  
accgcaagta tgagtatctc atgacccttc atggagtggg aaatgagagc acagtgtnc 60  
cgatgggaca tgaaagaaga cagactttaa accttatcac catgctggct atccgggtgt 120  
tagctgacca aaatgtcatt cctaattgtg ctaatgtcac ttgctattac cagccagccc 180  
cctatgtagc agatgccaac ttttagcaatt actacattgc acaggttcag ccagtattca 240  
cgtgccagca acagacctac tccacttggc taccctgcaa ttaagaatca tttaaaaatg 300  
tcctgtgggg aagccatttc agacaagaca ggagagaaaa anaangaaaa gagnnnnaaa 360  
agagtgatcc agcccttatt agggatgtgt tttgtgcaat gatgatatgc tcctgggttt 420  
aagtttggca aagcttatgt atcttttaaa tagatgggag catganctcg aaaggatcct 480  
ttcccttc 489

<210> 2717  
<211> 192  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N91273

<220>  
<221> unsure  
<222> (1)..(192)  
<223> n = a or c or g or t

<400> 2717  
acagaaagga tgacttttat ttccatcctg aatgattcac accattattt aaacatctga 60  
aaaatcctga aataatttaa actgaaggca cagaacaaac caaaatattt aactatcaga 120  
actaaaaatc gagaaaatcc aaatagttct atagtaacaa taaattatga acaagtttcc 180  
gtcaacanaa ta 192

<210> 2718  
<211> 150  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N91773

<400> 2718  
tttcacactt catcttttat tttttcttac aaaaggcctt catatcatcg tttgtcttac 60  
aaaaaccaa gtccttgtct ctgagtttga aaaacatctt cccagaataa atgggaaagg 120  
atctcttata aatatatata tatttttaaa 150

<210> 2719  
<211> 135  
<212> DNA  
<213> Homo sapiens



<220>

<223> Genbank Accession No. N91882

<400> 2719

tttattttcc tgttatcttt acatttcttg gttttcataa gttaaataa cagtattcac 60  
agaaattaag ctggtgggta tgaatcacca ggcagcaaca gacagtatac ataattattt 120  
gacgagtgc tccaa 135

<210> 2720

<211> 410

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N92659

<400> 2720

tcagattcac aagctttaat cattaactttt tctgtttatac attgaattgt ggatgtcctt 60  
taattagtaa aacagccact aaaattgttt ttatgggttg ctatcacaaa agtcgaagga 120  
ttgctagaat gctgtttacc tgtttcaaca gctcccatca actaccgcta ctcactttac 180  
atagaaataa aaacagctac tattcattga gcctatttct atatgggaat cttagtgtcc 240  
tcacacacat taattcactc aattctcccc aaactctatg aggtaaacta ttatgccccat 300  
tttagagatg aaactgaggt ttaaagagat taagtttcca aaaatcagat aactaataag 360  
gagttagagt aatctgaatt taagtctcat tgcagagagc taaagttctt 410

<210> 2721

<211> 332

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N92734

<220>

<221> unsure

<222> (1)..(332)

<223> n = a or c or g or t

<400> 2721

tatctcccca ttctaccacc tatgccagat gttaaagaca gcagatgttt tgaggagaat 60  
ggcattgtgg agatgcagag atgcgttgct aagttgaggt ggatccagta tagagatacc 120  
tctatttctt ctttatggct caagagagct aggacttggg ttttgtttta caggcatgaa 180  
ccactgtgcc cagtctatat ataataagatt ttagaagaaa tttctgccac tcagtgactg 240  
ctttaaattc tagagacaga ggctgagaga aacttagtag cctgcctgcg catactgcaa 300  
gtacagncta tataacnagt tnaaagagaa tc 332

<210> 2722

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N92775

<220>

<221> unsure

<222> (1)..(407)

<223> n = a or c or g or t

<400> 2722

ttttgcaaaa tgcataagct tttactgttt ttatattagg aaatcataca ggaccaagaa 60



```

ccgctgggggt cctggccagc caggcaggcc aggatgggct ccggggccat ggaggcgaag 120
nacagtggca ggcaaggat gaggtggtca cagggtacac ggctgctcct ggcctgtaag 180
gaggcgatat gtggcagctg gcatcgtctt gatatgcacc tcgcatagn ctcggtgagc 240
agctcgatga tgcgggctg tggcgtggca ccacactctg cccattgatc tcaatgatgc 300
ggtggccgac gcgcatnccc cacgctcggc gatgccacca cggaggaggc tgcagatctg 360
ggggagaaaa gaaggggacn ggaaaaaagt tggggcttct caagggg 407

```

<210> 2723

<211> 186

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N92915

<400> 2723

```

gttttttttt tttttttttt tttttttttt taaataattc aaaaacttta ttgacctata 60
acctgattag aatatgccag atgggaatca atattgtaca gaaagttgta cagaattttt 120
tacatagaaa actttacatc tgtaccatat acattttgtc catctgaaaa aattttctac 180
atccac 186

```

<210> 2724

<211> 340

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N92934

<220>

<221> unsure

<222> (1)..(340)

<223> n = a or c or g or t

<400> 2724

```

tttttttttt ttttccaagt gttcaggttt actgagagca ttaggggcaa caagggagcc 60
ctggnatctg gggacaaggc ctggcatttg ctggacagtg gccctgcaag cagccaagga 120
tggggtctcc accacctggg ttacttgaaa gtgtggctct cggtccgcc cgcccaaagc 180
ctttagnenc aaacatggat atggctacgt agcaggggtg gttgcantag ggtttgcctt 240
cgtgctcagc gtggcccca gaggtcagcg tcttcccaca tttctcgac ttcaggcagg 300
gcnaatgcc a ntccttgccc agagaggtca ccctctcggg 340

```

<210> 2725

<211> 150

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N92948

<400> 2725

```

ttttttgaaa gtttacttcc gagtgtgaag actggctcta aagagtccac tatatcaagg 60
tcccacactt caataacagg ggtcatgttt cctacagcaa tgtaatttcc agtagaatca 120
tctgggctag gatcaaaatt cagccattcc 150

```

<210> 2726

<211> 260

<212> DNA

<213> Homo sapiens

<220>



<223> Genbank Accession No. N93000

<400> 2726

```
gttttaaaaga tattttatatt ttcaataacca gtaatgactg aaaatttaaag aattaaagca 60
ggaagcaaaa caaaaacaaa caagaaaccc aaaacttgca acctaaactc tccgggaaaa 120
aaaaaattgc tataaatggt aaaagactta aagagaacat tgacaatgca gccctgatgt 180
acctaatacat acttcaaact gctggatggt ttaagctgag aatctcccca gtgcctttct 240
agtgtctctaa aatcatctcc                                     260
```

<210> 2727

<211> 147

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N93105

<400> 2727

```
cagtgtccat aaataaagtt ttattggaat acagccacgt tcgttcatgt atgtgttgct 60
tatggctgct ttgacactac aatggcagaa ttgggtggtt gcaacatatt ttatggcccc 120
cagccctaaa atatttactg ttggcc                                     147
```

<210> 2728

<211> 285

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N93155

<400> 2728

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tttttttttt ttttaagaaag actctcttcg tttatttagt tgatccccct tctcaattcc 60
taatagtctg acacttattg ccatgtttta tttaatattt tttatttaat cttttaattt 120
taaaaaaaaaa cccattaaca gtacattttg gtctaaaatg gtccctctgc tgaaatgcta 180
ggtgctagcc gtaattctgg ctttaaaacc aaaaccccaa atattttaata aataaaaatt 240
agaattagtt gccattctac tccaaaccag ctagcctagc tgaag                                     285
```

<210> 2729

<211> 529

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N93191

<220>

<221> unsure

<222> (1) .. (529)

<223> n = a or c or g or t

<400> 2729

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tttttttgact agaaagggag cactttaatg aacagaagta cagacgtgct ggcaaggatg 60
gaaatctcca ctggttcctg gcccccttca cctccatgca tccccagcat ggggtgtaat 120
cattacccaa gctctcgctg ttccccctca cccctgcag agtccagcag gtctagatac 180
gtgctctttg aaatgtgttc tgggattaaa aatggtgccc tgaggctgtc taacctcac 240
aaaagacaga cacatgcaca cacgggcctt ggggagggtg gtgtattagc agtcagggtg 300
gccctcctgg gagagcttgc tcaagaactc ttctcggaag gaaaccacac ttaaggtagg 360
gttctgatag gcagantccc agagggacag ccagctgcta gaagatgggg ttatccaggg 420
tttgtaaggt ttaaacaacg ggcagggagn caaacgagtc aaatgggttc ctctgctgaa 480
ttttggctcg aggcaaatc ctatagttag ngattaaat cgtaacatg                                     529
```



<210> 2730  
<211> 184  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N93246

<400> 2730  
ggcatggtcc tatttatttt cagacattct cgcttcacag aaagaaacag ggtgaggggc 60  
tcaagagaga ggctgccaa gggagaagca cgggaacgct gaactggccg aggggcttgt 120  
cctcatcctc aggggtaggg ggaagcccca tctgccagtc tggtcggaag ggaatagata 180  
taga 184

<210> 2731  
<211> 206  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N93299

<220>  
<221> unsure  
<222> (1)..(206)  
<223> n = a or c or g or t

<400> 2731  
tttttttttt tttttttttt tttttttttg acacaaaccc actttattca gcattgagcc 60  
agccccacag ctgggaggtc aaactcacag acatcgacc aagggccggg gactcagaag 120  
ggctgaaagg cttcatctng gaaatgggca ccgctcacaa gcccggtat ccccaaactc 180  
caacaactgt ctgcatttat gtcccc 206

<210> 2732  
<211> 482  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N93316

<400> 2732  
taaacaaagt ccaattttat tcaactetcaa tatecttgca gtccattgta taccttctgc 60  
actgaccctt gtttcagtag ctgtttgata ccttctctcg ctccctctgt taactgttct 120  
tttgaaaaat ccacatcaaa agtgattatc aaagagccct tgatattgtt gttgtcaaag 180  
ttggggagcc cttccccctt cttccatagc ttcgctctcg gcttgggtgat cttatcccgg 240  
gaaatatgta ccttgtgacc atccaagtga gtaatatcca tctcaaagcc aaccagtgc 300  
tcaactaatg agactgtcac atttgtgtac aaatcatctc ctctcctttc aaatattggg 360  
tgcttgacaa ctttgattcg gaaccgtaaa tctccaggct ccccatccac gtgagggtca 420  
ccttctccaa taaaggggta ctccatgccg tctctcacc caggctctat ttctacttcc 480  
ag 482

<210> 2733  
<211> 499  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N93403

<220>



<221> unsure  
 <222> (1)..(499)  
 <223> n = a or c or g or t

<400> 2733  
 tactcttcac ttttcttttt attattcaaa agtcaaagt ttttaaata tccatcctca 60  
 attttgattt aatgtaccgt catttcccca agaaaagaaa tttcagaatc tctttggaat 120  
 actaatttca tgtttctaga ttttaaccaa ctggtgaagg tttnaattcc atcnaatttc 180  
 ccggaatctc aagacagttg ntgatggtaa attttaatnt aaaatattta ggcnccaa 240  
 agnattgcnt ttggtatggc catagntgng anggtaanat ttgcnttgc tttggcaata 300  
 aaaaacctat acccatcctt tcataaaaact ctaaaccaaa ttaagaactg tggatggtag 360  
 gaacaaaaat ttacnctgg gtaaaacagg taccagcaca acggttaggt tatattacat 420  
 caaaaaaagt tttaatgggt cccaaatata tatactcaac aactaagcat acactcnggg 480  
 gaggaaaaaa aaaatcnaa 499

<210> 2734  
 <211> 170  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N93465

<400> 2734  
 ttttgggtaca aaaggtgtct ttattgaggt ctgggttaaa attagggact tggccacgag 60  
 cagcagctta aatatgaggc aagcagtcag ggggttagcca tgcctgggggt ggggtgggggt 120  
 catgaggcta caggcacaga ctgtccccag gtggacagaa gtttggagca 170

<210> 2735  
 <211> 234  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N93470

<220>  
 <221> unsure  
 <222> (1)..(234)  
 <223> n = a or c or g or t

<400> 2735  
 gaatatgaag tgtttttatt ttgctaaatc ttcacaagtt ttgttttgta ggtgaggaag 60  
 ctgaggccca gagcatttaa acaatttgc caggttata cagcaagtaa ctggcagaga 120  
 ctgggatctg cagtctgacc cctgacacat gttcaaccga tgcagagtt tatttattac 180  
 ctctgttgtt cacaggaaga aactaggggt atcttaaaat cttctgacat ctnc 234

<210> 2736  
 <211> 468  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N93764

<400> 2736  
 tttgcatagg cattactagg gacataaatg ggagactggc atagaaagtg gtgaggagcc 60  
 gaagccaagg aattgcttta aacacaagat gaaaatactc tggtctgtcc aaagcatcac 120  
 ctaatgggtg gaggcatttc acttagctgt ggagaagtcc ttggaattag atctcagaaa 180  
 gacagcttta agacagtaaa accttttggc aatgggctaa ttgccttaa agaagagttc 240  
 tacctgaaag accttgcagg tggagaaatt gtccatacaa gattcttgga tatgttagtg 300



gagataactg acatgggtag ctgtgggtca accaggaact gtcaacaacc tgatctctgc 360  
 aaaaccagga tggccagtta atgggtttatt cagttctctg atggtcacaa atgtaatttt 420  
 atttagcctt gtggagggtt ctgcaacaaa tgtaatttta aaggaatt 468

<210> 2737  
 <211> 270  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N93798

<220>  
 <221> unsure  
 <222> (1)..(270)  
 <223> n = a or c or g or t

<400> 2737  
 cacggctcct gttttattgc cttcgggtgt ccggagcacc tgactgcccc ggggtctaat 60  
 aatttaagggt gccgagaaca ggtcaggaca aggggtcgca aaanaggggc tgggggcagn 120  
 tggttacaaa atatacccc accccacaac aaacaggcta gaggagacca gcctggctgt 180  
 gtcggggangg ggcgggcaga gggcgcccgga ccagccttca gagagacaga gccacggcca 240  
 gcgccccaga gggagtggcg gagacaggac 270

<210> 2738  
 <211> 457  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N94146

<220>  
 <221> unsure  
 <222> (1)..(457)  
 <223> n = a or c or g or t

<400> 2738  
 aatgtgcacc aaatttagcag taaaaatagc agcagatgga tcagagtgggt tgtcaataaa 60  
 ccttttctcc ccaggttact aatatacaat tgccatgaaa aataaaaaaa tatatatata 120  
 tatttacact tgactcatca cctctgctta ggaccctgta agcacaagat attgctgaac 180  
 tgctgtatatt gctacatatg gaacaattag actagcaata agaagtagtt tatgcatgta 240  
 tgctggccta catgtatata cccctttcgc aattactgag gattatcaac aaagtttggt 300  
 cttgtcttgt gattataatt ctattaaatt acatttaaatt gtgatataca gaatttttggt 360  
 ttataatta gtattattct aagaaataat agtaatatag accngttaa aataaccata 420  
 acttatggca aaagcaaatt cagaaaatgg caataat 457

<210> 2739  
 <211> 441  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N94367

<400> 2739  
 tttttttttt gtttcaacca caagtattta ttgatggatc gaagatacaa ttttaatgga 60  
 acaataaggc acaaccgtgg attaaaacac ttgtctatac agccaaaagg ggggaaaatc 120  
 tataacctta ggaactttat gccaatcaag aagcctctaa agtacctctc taatagatca 180  
 gtatcagaca ttcttccctt ttacataatt cctatattac atcacttaat cataaaatct 240  
 gactgatact tcataaagaa ttcctcattc atttatattt gagccatcca gcctggctac 300



tccccgtgtc tccacccttt tccatcactt tgcagtggta ttttttagca atcttcaata 360  
gttttccaaa gcaaggaaaac aagcaagcaa gcaatgagtc agaaagtcaa ccaagggcag 420  
atgtgtgggc taaatacact c 441

<210> 2740  
<211> 409  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N94930

<400> 2740  
atgtgtgcac cactgaaaat tcttatttat tcaactttaat tctgcattta cacaaaaatg 60  
ctgtaataaa atatctgtac actacttctg ttacaaatat agatatttaa agtgacttta 120  
tatattctaa tgtaggagtt tcacgctcta aaatgggaat gaacacatga taattcctca 180  
ccagttgtct caataaacag ctccatctgt tcccccttagt cttaaaactat tgtattataa 240  
gatgttaata taaggcaatg aaatgaagtt atgttaatcc ccttaatttt tctatcaatt 300  
tactaatggc atacaaccaa aataattagt aacacattgt tctctgtcat taagattaat 360  
atgaattgaa aaccaattgc acagcacact aacacatttt taatgttgc 409

<210> 2741  
<211> 462  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N95495

<220>  
<221> unsure  
<222> (1)..(462)  
<223> n = a or c or g or t

<400> 2741  
tttttgccaa acattagagt ttgttttatt gcatgacgtt tgcataagaa aaaaagttat 60  
tgaaaactgt aaggcatcat gcaatcattg aataagctaa ttattaactg tacacttaag 120  
ataggtggac atataatcta aaatttaaaa actagttcca gaaaagtaca taaaaaattt 180  
aacatgatga gcttttaaat atggtttata gtttcatgtt gttaaaaagt gcttcaaatg 240  
tactgctgga aagttgctct ttacaaatgg cgctgggggtg atgtcagatt ataaactgta 300  
aaaaccaagt acttttatgg aattagaaag ctaacattgt gatccccaac ttcttgaacc 360  
agttttcaat ccccatccta attaagttga ttaatatata taactaaaaa cactgggtta 420  
tcccccaaaa ggcttggtac cagtagnctg tggccaccaaa tc 462

<210> 2742  
<211> 394  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N95585

<400> 2742  
tcctgagaag tcaactggtgt ttaatggaaa ggtatcctat tagtccttgg ttaagataag 60  
gcagtaagag tatcactaat actatgtttt tgcttagaat gaggctgac cttccactgg 120  
cgtcttcacg ggcaattagt tccctctctt ttgctcctag aaacacaggt aggagctgtc 180  
tgccccctat tgctgttgca ttttctgagt gtgttgaagg ctcatctagt ctcatcacag 240  
cagcttcccc agtgggatgg agcgtgtat attgcattgt agcatctctc caggaagtgc 300  
acgggccccca cagaggaaaa cacaggcatc tttctttctg actcctcttc tgttctctta 360  
gggacggggc ccataaatga ttccttcaca tgat 394



[illegible]

<400> 2743						
tttttgattt	aaaagatttt	attttcttta	tgcaggtagg	cagttagaaa	tttcaaagtc	60
taacaatgac	attcttgaag	tgggcacagc	ttttaaaactc	aggctatgta	tacagtaacc	120
ttgtggaact	ggttcagcca	gatcttcact	ttcatgaaag	cacagggtct	gtccttttct	180
ttccagaggg	ctcctctcat	attccatcgc	cagtttctgt	tacaaggcag	actgaatcaa	240
gccaaagatc	acacacactg	gtacacgtgg	ctcccaacca	attttatatg	tatatatata	300
ttctacttcc	aacaccgcga	ttcatctctg	ttcaatcaaa	gcctggtttt	ggccaacaat	360
aaactcgtca	ggagatcgaa	ggttgtagat	gtctgcacgt	ggcttccttg	gaggtccagt	420
ggtgactccc	tcttccaaa					439

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<220>  
<221> unsure  
<222> (1)..(509)  
<223> n = a or c or g or t
```

```
<210> 2745
<211> 462
<212> DNA
<213> Homo sapiens
```

<400>	2745					
agtgtggcta	taggcttcta	acgaagggaa	atgaaatata	gggctgtctc	ctgctttata	60
acatctggct	tacaatcaac	aaatacaaat	agggtcgctt	ggtgcagcaa	accactatgg	120
cacatgttta	cctgtgtaac	aaatctgcac	atcctgcaca	tgtatcctgg	aacttaaaat	180
aaaacaaaaac	aaatagggtc	tcttgccctg	tgggaactga	agccactgct	ctgtaggaaa	240
taaaagtgtc	tttctttttt	gttttttttt	tgagacagaa	tctcgctatt	ttgccgagtg	300
aagtggcact	atcttggctc	actgaagcct	cccccccgac	aaggtttcaa	gcgattctcc	360
tgccctcagct	actcaggagg	ctgaggttga	gagaatcact	tgaacctggg	aggcagaggt	420
tgccgtgagc	tgagatcgca	ccagtgcact	ccagcctggg	ca		462

1198



<211> 487  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N99542

<220>  
<221> unsure  
<222> (1)..(478)  
<223> n = a or c or g or t

<400> 2746  
ggaattcagg agctgcagat aagggccctg caggtactat gtgctcagta aatgccagtg 60  
gttcttaagg gtctgagctc ccatggtaga ggcaagtaag ctgaggttca gagacagaaa 120  
atgacttgcc caagatcacc cagctgggaa gtgacagtgc cagggttga gccctggttg 180  
agctggttcc acaggccaga gctcattctg ccctctcccc ggaagacctc ccaccctgtc 240  
cccatgacctc tgcttctccc tcaccccaat tccccgctgc cttctaggat aagtgtgagc 300  
cactgganga agcagcacga gaaggagagg aaacaggagg agggggaatc ctaagcagga 360  
cacagccttg gatcaggaca gagacttggg ggccatcctt gccctccaac cccgacatgt 420  
gtanctcagc tttttccctc acttgcatca ataaagcttc tgtgtttgga acagctaaaa 480  
aaaaaaa 487

<210> 2747  
<211> 399  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N99866

<400> 2747  
tttttttttt gggggaaaac acaccacttt tttttttatg cagcattttc aaatatgcat 60  
gtcaatatat attttataaa ctatttataa taaaaaccct tcatcctttg aggttattga 120  
cattttctag ttcactgaca catctcccat aatacaatag ttctattcat tttcatgaat 180  
gaggtgggaa ctacactaaa aagtaggatt ttaatccctg aggtgccagt taaaatggac 240  
gaggttgccc ttgcaacaca agattttaaa aatcagcctt aaataataag catggatcat 300  
gctatttgaa tcagaatcac ctccatagca tgaagtcatt taggaaattg catttattgg 360  
gttaagttca cctgctattc ccagcctcat gctataatg 399

<210> 2748  
<211> 459  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N99944

<220>  
<221> unsure  
<222> (1)..(459)  
<223> n = a or c or g or t

<400> 2748  
tttttctttt tacttttttt tttgcccgcc cctggcagag ctcttgccgg ggaggggaagg 60  
ggagagggaa atataaccct gaggtgggga tggttcagct cccaaccccg gaaccctgtg 120  
tgtgtacggg tcaggcagac acatgtggct gggcggtctg gctggggagg ggnccagccgc 180  
cactgaccag cagaggtngg aagttcgggt cgtttcagtg cctgcctgaa agcttgggga 240  
caggaggggt gtccacaggt ggtgcccccc gcggccctgg cgcttctcct gtggggcccg 300  
catgaccctc tgctcgggct tgggaagaaa tggagcctac caggtgctgg gttnaacccg 360  
ctgccggtgt ggaccaaggn tagattangc acccttgctt ctgcctttat tttattattt 420



gagnagagtt cnccttaatg ccagctgaat naatgtcga

459

<210> 2749

<211> 338

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R00296

<400> 2749

```
atcggttttta tgggaacctg caggggtgacc cggcaccttg ctaactgggc ttagagtcta 60
agggcttgagg ggctgcatct gatacagggt ggagtttgagg gtgggagagt cctaggaagg 120
gggccccaaag tagaaatgag agaaatcagg aagggatatc gggggcggtcc acgggggtgc 180
tccgactggc cttgcacccg taccacagct ctgcaccccc cgtcacgagc agttcaatgc 240
ccgtgcagaa gttggcttcg gaggccaggg aacactgccg cagccccgac ctgagcgggc 300
tgggcccatgc ggcccagtggt ctggccagca ttgccctc 338
```

<210> 2750

<211> 309

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R00843

<220>

<221> unsure

<222> (1)..(309)

<223> n = a or c or g or t

<400> 2750

```
ttttaatcgt tgtgattttt tattagttct cataatcgcc tcttattaat ttgtatgcac 60
ataataagca ctcaccttca cagtctgtcc ggcttcgggg ccatactgca tggaaaagggt 120
gagagaggtc ccatggaaat gtttttccac cactgtcccg actctctggg tcgtctgaaa 180
caaatcggcc acttcatcag gacgcaggtc atgggaagcg ctccactggc cgcagcgggc 240
acacaaggac atgtcngggg taccacaggg ttccctatt tcacaaggag ncgagggana 300
attnttttt 309
```

<210> 2751

<211> 336

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R01023

<220>

<221> unsure

<222> (1)..(336)

<223> n = a or c or g or t

<400> 2751

```
gtngttccaa aataagacat ttcattttat ttctgaaatc agaataagtc ggtgagagta 60
gaaaccacta ggctgagagc aagaactctc ccccaaagtg gagagaatat ttctccctac 120
cctgggctgc ggatccctgg aaatggggct tcttccctcc acatgttctg ctggcacaag 180
tccccttggg cgggctgggc tgaagtgggc aggggtgggc ccctttcacc caccagaaa 240
catgggttca cttgaacgtc aggtcttagg atcttcgagg ggggtccccag tncgctttnt 300
gacctggggc cagcaagagc acttccctgac aacctt 336
```

<210> 2752



<211> 373  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R01081

<220>  
<221> unsure  
<222> (1)..(373)  
<223> n = a or c or g or t

<400> 2752  
catttttatta gaaaaacgac ggctctcaag aagccctgcc ccacagaccc caccctcatc 60  
tcgtgggcca ggactaggcc aacagtccct cctaacagca aggaaggctg gagaatcagg 120  
tggtttttatt taccctatat tgctgcccac acaaaactag gcttttggtc acaagggaaa 180  
ggggagaatg gctgctgggg aggagatgcg gagtgcaggg aggggtgggga ccaagaaccc 240  
ggcttggtcc tgggagaggg cagtggcctg ccccttctcc aatccaccga catgtggggg 300  
gtctgggttt ctntngccct cagaggccca cccacagact ctttctcatt tctctntttt 360  
aggatgagtt atc 373

<210> 2753  
<211> 256  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R02036

<220>  
<221> unsure  
<222> (1)..(256)  
<223> n = a or c or g or t

<400> 2753  
nnttaaatta ttttattcaa gaagtggggg aggacagaca aggggactga gctgagccct 60  
gagtccctga acctcccagc tcagccccc cagcaggact ggactcaaag tcagaggggtg 120  
gagactccag ccccaccag acacggttgg ggacagacag gaccagggga ataccngact 180  
gactgtcctc cagggggatg gcggccgagc acanagggcc cggccttggg acccccnngg 240  
gtgggctatt tttggg 256

<210> 2754  
<211> 291  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R02365

<220>  
<221> unsure  
<222> (1)..(291)  
<223> n = a or c or g or t

<400> 2754  
tttttttttt tttttttttt accccactaa ccatctatta attatactta agctgggnccc 60  
ccattactga gagtgcatta ctatataatt aaagccattt agacanggct tggcatagca 120  
cttgcatgan acgccacata ctaaaaactc ctccttaggg cagccttctt ttcctatcag 180  
attcagagct cctttctcct tttctcgggg aaaaatgaac acagggaggg aaaattctca 240  
gtaggggntc tccagcctgg gggggccttg gagctggggc ctactggggg g 291



[illegible]

```
<220>  
<221> unsure  
<222> (1)..(378)  
<223> n = a or c or g or t
```

```
<210> 2756
<211> 366
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> unsure
<222> (1)..(366)
<223> n = a or c or g or t
```

```
<210> 2757
<211> 414
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> unsure  
<222> (1)..(414)  
<223> n = a or c or g or t
```

1202



aacctaaatg cagttaagaa gttttaccca aaaggggtcta ttaagccacc tgtcacatgg 240  
ccacccaaac aaagtcccta cttatacttc agcacctgtt cccaatgctt gccaatcccc 300  
catcttgccg ggtgggtggg tatgggtcag tcttgaggca ttatttaaac aggaatttaa 360  
ttagcccaaa ggggaaaatg agggatttag gatttctncc taatgcccc actt 414

<210> 2758  
<211> 428  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R05309

<220>  
<221> unsure  
<222> (1)..(428)  
<223> n = a or c or g or t

<400> 2758  
ttttnatntc cttaaatgag gagatttaat gtctttacat tatacatttc aaaggaacaa 60  
aacacccttt atgaattttc tcatggagat agcattttaca tcacagagct attgtgaaaa 120  
taaaataaga ntgtacagca cacctgggan tataaaaaaac atcccantaa cttacttggg 180  
ngccccgcag ccatccatcc ctcacatata antacantga accagatgaa ggatccgtgt 240  
ccgtgtccat gacaggcant ccattcagga ggntccaaag gntaaatagg tcttaattca 300  
cccantttct ggacatttgc ttggggcactg cggggggtca tggagggggc ttgccccttc 360  
atattnttc tcattttaat nccctnccaa ccanaaccgg ggctcggggg gggtngggtc 420  
cttgccgg 428

<210> 2759  
<211> 416  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R05316

<220>  
<221> unsure  
<222> (1)..(416)  
<223> n = a or c or g or t

<400> 2759  
tgttagaaat gacttttgtt ttgttttatt tttcatgggg ctttgtctgt ttcttgccat 60  
gagtagcaaa ccagtgtaca aaaatgtcac agacgagagc aacaagcgac taggttttcc 120  
tgagcccaaa tcagctcact ctatatacac aaaaggaggg ctgcctccct gtcactgact 180  
ctacccgcca caaagcgggc agggatgggg cagtgggggg gagctccttc ccagcctggg 240  
ggcctttgcc aaggagagccc acaagggcnt tgcagggagg accctccatt aatcagcgtc 300  
agtgtcttgt cttaacagca tcacacatgg gtcctttttt tcctcctncc ctacctnccc 360  
ttcagtagga aaccaggtag ggaaaatcct nttcaggagg gggggacaga ggggct 416

<210> 2760  
<211> 452  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R05490

<220>  
<221> unsure  
<222> (1)..(452)



<223> n = a or c or g or t

<400> 2760

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ttcaatttta ttctacttca cttacaaatc tgctgctgaa catgaagcaa aaattcatag 60
taagaaaatg cagcctctgt cgggtcttca atcaaagtct gaaaaaattc tgctttggca 120
ggactctcat cttttactat gtgaaggatt ggacttaatg gtctgctgtc tctaagccaa 180
gttatgaagg atctggctct ttctgatgaa agtgtatcta gctctggaag atgtgtcatt 240
ttctgtgggt attgatgcaa aattaggtat atccaagcac atcctctatg gaagggtatt 300
gtcacagcct ttccccaacc ccaaagttaa aaaacagagc cacagtccca tagggaaagc 360
acccttctct tggtcagctt ctctggcagg acaatttttg aggggggtggc cttggggacc 420
aatcccgtcc attaacctgg actgcacccc cn 452
```

<210> 2761

<211> 462

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R05518

<220>

<221> unsure

<222> (1) .. (462)

<223> n = a or c or g or t

<400> 2761

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agggaaaagg tttatttggc tcacgattct gatgtctgag catctgctga ggcctcaggc 60
tgcttctgct catggtggaa ggcagaagcg agtcggcata ggcagatata acatggtgag 120
agaggaagca agacagtggg gggaggtgcc aggtgccaaag ctcttaaaca atcagctctc 180
acaggaacta ttacagttag gatgtactca ctgcgcaggg aggacattaa tctattcatg 240
agggatccng tcctcatgac ccaaacacct cccattaggg cacaccccca aactggggga 300
tcaaatttca acctgagggg ggcaggggca ggcaccatgg ctcatgcctn gttaatcccc 360
aacactttcg ggaaggcttg aagcggggaa gatggctttn agcccccagc atttcaaggc 420
ttgcagttna gcttggagtt ncaccactg cattccagcc tt 462
```

<210> 2762

<211> 351

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R06002

<220>

<221> unsure

<222> (1) .. (351)

<223> n = a or c or g or t

<400> 2762

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tttttttttt cagaatgaaa acacttacaa atcatttttta ttatgaataa tttaggatat 60
ttgggacatt catttctgag taaaatagtt caaaatagga ttttggtgat accngttgat 120
acatatttag aaacaaaaat gagatattct tttgaaagt ttgcctttgta gtaaatccag 180
tcattcaaatt tgttttctct caagacccaa aaatgccngg ggcattgccg gctttgagtt 240
tattctttgt ttcttcatca aattcttcca tgggncctta ttagtttccc nggggtccag 300
ctcacctagt gggaaagggg gnaatcgggg tccccaaaat gactttatcc t 351
```

<210> 2763

<211> 391

<212> DNA

<213> Homo sapiens



<220>  
<223> Genbank Accession No. R06251

<220>  
<221> unsure  
<222> (1)..(391)  
<223> n = a or c or g or t

<400> 2763  
ttttaanttt ttttccccaagggaatgctt tattgacaaa ttaccatta ttataataac 60  
tttaaggaaa agatacatcg gtcaacaccc gcacaacctg cttctcacc acaccccaca 120  
ggccgntttt aacctgggn cgaagggcac cgagcgttg gnttccttg ccctgcac 180  
tctgtcgtgt gtgggagtg catcccaag ggtgtntgaa ctgtccggg acacggctgt 240  
cagaggacan ttgctntacc gaacaggac accttgagnt gaggcagccc tttccntcc 300  
cggggagtg gcagagcngg ggcacaccac agggcagggn ccttcaggtn ttccttgcca 360  
agaggccatt taagggnac agagtttnc c 391

<210> 2764  
<211> 209  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R06254

<220>  
<221> unsure  
<222> (1)..(209)  
<223> n = a or c or g or t

<400> 2764  
tttttttttt ttttccccaagggaatgctt tattgacaaa ttaccatta ttataataac 60  
tttaaggaaa agatacatcg gtcaacaccc gcacaacctg cttctcacc acaccccaca 120  
ggccgntttt aacctggnc gaagggcac gagcgttg gnttcctgg ccctgcant 180  
ntgtcgtgtg tggagtcca tcccaagg 209

<210> 2765  
<211> 426  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R06271

<220>  
<221> unsure  
<222> (1)..(426)  
<223> n = a or c or g or t

<400> 2765  
tttttttttt taaagtaaca tttaatgaat acacatttat aaaagccatc atcccttaac 60  
atgggggaaag tgtacaaaaa taatgtgaaa gtgtaaaaat ttttctagaa tacaggaaac 120  
atatcagcag taaagaagt tagtttaact ttttttttaa atgtaaaata gtttggnct 180  
gttaaanggg nntacagtt gcccaaagca cttattttca tctgttgtaa actcattctt 240  
tctaccttan ggtaactgg ngggagtcng ctgtgttaat atggggccaa atttaatttc 300  
ntaggttttg ggggagcngg ggagggttg ggggggaagg gnccaggaag gggaggnct 360  
tgggggcctt tcttttgggg ccgctgggtg ggggggcctt nggggcccct tgtgggggtg 420  
gggggc 426

<210> 2766  
<211> 344



<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R06273

<220>  
<221> unsure  
<222> (1)..(344)  
<223> n = a or c or g or t

<400> 2766  
tgtagagatg gggctcttatt atgttgccca ggttggtctc gaattcatgg gctcaagcga 60  
tcctcctgcc tcggcctccc aaaatgctgg gatttgaagc ataagccacc acgcccagcg 120  
ataaatctct tttctttaa attatccatt atccaatctg tggttacagc aacagaaaat 180  
agactaagac aagaggtaaa ggaaaggagg cagggaagta ggcaggaggg caggaaagan 240  
tgaaggaaaag ggaaacgaag agaggcaggg gaaggaaggg gtntggacag gggaggtngg 300  
gaaagggaag ggnaagttna ggaaggagg gccaaggnag gcca 344

<210> 2767  
<211> 353  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R06400

<220>  
<221> unsure  
<222> (1)..(353)  
<223> n = a or c or g or t

<400> 2767  
tcgcatcttc tctagagtcc cgcggctcac agctttgctg cgaagggcaa cttgtgggca 60  
acctgggtcaa ggaaaccttg cacttcttca aattcacaaac gccacccat ctctacaaca 120  
aggcgccag cttcacagg gtcacgtagt ggtcaatagc acctttgcct ccccccattgc 180  
gatgcccac anttttgca gtgatgggt tgaaagggg tggtactcgc catatggcaa 240  
acatgttctt ggggtccata gagcggttga ttgtcaggcg catcatttca aagtggcccc 300  
aatgcaggta gccaccacc aatgccaaga ttncaaant gcctttctng taa 353

<210> 2768  
<211> 417  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R06543

<220>  
<221> unsure  
<222> (1)..(417)  
<223> n = a or c or g or t

<400> 2768  
tttgctaggt gaaagtgcta aaaactctca atttcatcaa gattgacaag cacaccaggc 60  
atagtggctc acacctgtac tcccagcact ttgggaagcc aaggtggatc gcttgagtct 120  
gggagttaa gaccagactg agcaaaaaaa accagaccag cctgagcagc ccgaacaggg 180  
atagcctgcc ttacagaaa aatttaaaan ttagccaggg catgggtggc acatgcatgc 240  
ctgtagtccc agctacatgc tgagatgggg agggccactt tgagccaggg cggttgaggc 300  
ttaccaaaga gggantgatc cacaccactt gcacttntag ncttggggcn aacggantaa 360  
agggcccttt tttttcccaa aaaggnaaaa aggaatttcc ngaattttaa ttctttt 417



<210> 2769  
<211> 362  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R06726

<220>  
<221> unsure  
<222> (1)..(362)  
<223> n = a or c or g or t

<400> 2769  
tttttccagc tcaacccttc tttaatgtca tccagggagg ggncanggnt tggaggggag 60  
gggttgagga gcnngaggan gttatTTTTT ggtggnnnta ccacttttcc catgaagagg 120  
ggaaacttgg tattttgttc aatcattaag aagacaaagg gtttnttgaa cttgacctcg 180  
gggggggatag acatgggtat ggcctctaaa aacatggccc cagcagcttc agtccctttc 240  
tcgtcgatgg tcaagcacia ccttattgca cggcttggan gagcttcagg ggtgctcctc 300  
tgtgaccccg gagaggtaa gcccattnc tgaagacctt agtgatgcc agttgacca 360  
gg 362

<210> 2770  
<211> 249  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R06746

<220>  
<221> unsure  
<222> (1)..(249)  
<223> n = a or c or g or t

<400> 2770  
taattaaaga tcttnnaaat tttttttttt tttaaaaagc gacnaanaca tttattgaga 60  
gctgtaaaat gtgtttcacc caattgtaat gtaaagaatc gaaaatttta aaaaatttcc 120  
aaaaaaatta catgattgta gttggtaaaa atgcacccat ttcaggangg cccctgtgcc 180  
tgtgtataaa tgatgtgtct tgaacgctgc tgggaagctc tattgctgag attgagaaga 240  
ccttagaaa 249

<210> 2771  
<211> 589  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R06764

<220>  
<221> unsure  
<222> (1)..(589)  
<223> n = a or c or g or t

<400> 2771  
cgcttaatta aagatctttt tttttttttt tttttaagaa ttcaagggct ttattgggga 60  
gtctagtaga gttaggctag ccagagttcg tccagtaagc tccacgcaa ttttatcttt 120  
agtgttgtaa gcatccaagt cctggctgta ttcattgttg ttaaattggg tcttgagttt 180  
ccagggtgct gtctgctcag ctggagtaag cagggcactg actttgtgtt caagagctgc 240



actgatgctt ttcctagaca cgagatgatg acttgtggag cctttgtaat catgagagaa 300  
 agtaaagtc agagggttctg ctttcaacag gaatttgcta tacagctgcc cagtatgttc 360  
 tccccagaga gcgagtttcc cattgccatt tgtatgtgca tcgatgggtc atgggtaaac 420  
 ggggccattt acagaacgga agacatttgt tgaaatgcag tgagtctgaa tttttagttt 480  
 gtggntcatg ttcaatggct tgaagccagc ccagcgatgt cttgttnttg agnccatgnt 540  
 aaaacttcca canccctgnac cttaggcacc agngtcttgn tttataggt 589

<210> 2772

<211> 402

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R06860

<220>

<221> unsure

<222> (1)..(402)

<223> n = a or c or g or t

<400> 2772

nnctttaatt aaaggntctt tntccnnttt tgttttggaa antctttctt tacagacagg 60  
 gtctgggcta tatcgtccag gctggactca aactcctggg ctcaagcaat cctcctgctc 120  
 aacctccga gtagctggca ctacaggtgc caccacacca ggcttgattg tgacttgact 180  
 gtcacccagt gtcacatgag ggcaagtgtg gaattttcca tttgtggggc cacgtcagta 240  
 ctcaaaaaaa ttcgaatttt agagcatttt ggatttcaga ttaggggaatg tttaacctaa 300  
 gtttgtaaaag ggaaattttt taggccttag gaatagggga tgtttcagga ttgtttcaag 360  
 gaggacaaat gaaaggacta aaacaaccng gaaaacattg gg 402

<210> 2773

<211> 303

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R06866

<400> 2773

gaataagact tggagccgct ttaattaaag actttttttt tttttttttt ttttaaacat 60  
 tagatctcta attttaatag ttgagaggaa gggtataaaa taaaacagac aacacagagc 120  
 ttcatgacgg cctcggattg gcagtcaacc caggatatac gaaatgtaaa caaaaacaga 180  
 gcttccagat aacattactg tgtgctatgt gactttcaga atacagcagc gtcccagaca 240  
 ctctaaagtc aagtgaaca agagatttta gaatcaatct atacacattt cagagggcag 300  
 tcc 303

<210> 2774

<211> 320

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R06977

<220>

<221> unsure

<222> (1)..(320)

<223> n = a or c or g or t

<400> 2774

atttcatttt attttctgaaa tcaanataaa gtcgggtgaag ngaanaacca ctaggtcagn 60  
 gagcaaaaaac tctcccccaa aagtggagag aatattttct cctaccctgg gctgcggatc 120



cctggaaatg gggcttcttc ctcccacatg ttctgctggc acaagtcccc ttggcgggct 180  
 gggctgaagt gggcagggtt gggccccctt caccacacca gaaacatggg ttcactgaac 240  
 gtcaggctct aggatctcga gggggtcgcg agtcgctttc ttacctgggc cagcaagagc 300  
 acttcctnac agcctnacaa 320

<210> 2775  
 <211> 319  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R06986

<220>  
 <221> unsure  
 <222> (1)..(319)  
 <223> n = a or c or g or t

<400> 2775  
 ngtaacttaa gcaaaaaang ggtatttaat tgggtcacat aacttgaaaa gtccaggggt 60  
 tattctagct tcaaggcacg gttggatcca ggggcacaaa cgctgtcatc aggattcaag 120  
 tctctccata ttttggctct nctttcccn gcactggctt cattctctac atggnaggcc 180  
 ctgttagttt gaggttttca ncctacaaaag ctaaagcacc ctcaggaaaa gngagcttct 240  
 cntccacaa gntcagatgg ggtttgctga ttgatgaggn ctgaattaca tgttcaccca 300  
 caaanctcaa aggtttggg 319

<210> 2776  
 <211> 330  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R07172

<220>  
 <221> unsure  
 <222> (1)..(330)  
 <223> n = a or c or g or t

<400> 2776  
 ttttaaagaa tacggcactt ttaataggcg gcagccccag gnggtgcgtg gacagaccct 60  
 gtccacagcg cctggctccc gtgctgctg tccttccatc tggaatgcca aacagaagct 120  
 cctctcagggt ggcatctggg gagtaggtcc cagtcctgaa atatacaaag tggcgccctcc 180  
 cactgggcag tggctactgg gctgcacggt cctttcaagt cctaggggtgg cccctcagggt 240  
 cactgcttgg ccttcttcac aatgggtgcc cacagcagag atgacggtgg tcttnggagc 300  
 cgctgggctt ggggtgggtga ccgtgacaac 330

<210> 2777  
 <211> 353  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R07637

<220>  
 <221> unsure  
 <222> (1)..(353)  
 <223> n = a or c or g or t

<400> 2777



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ttttttatta aaacatatac gaaaaacaga aaggaatata tagctgattt ttaaaagctg 60
taacagaaaag gcaggattat gcatttttta ttcaaacata cctataaaan tattattttt 120
acatttgaaa aaatattaaa tttttaaata attacctttt tgtctcgact cccagtgaag 180
aaatacttgc tgtcaggact ccaatcacaa gaccaaataa ttctactgtg cacagaagta 240
attttgttgg tgaaggcaaa aaggctaata actggctctg anaggnatnt gtataactn 300
ttcaccnagc cgaggaaaagc tggggntttt ncccggttag gggaggtgnt gtt 353

```

<210> 2778

<211> 328

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R08548

<400> 2778

```

ttttaaaaca atttccgctt tattccctcc ttgatgcttt ttataaataa ggtttaatag 60
aaagcatcac tattttttat ttacttctac agggggaagt agctcttttc ctggcagggg 120
tggacacgta gttatgggat gagctcgggt gtactcggcc tgtccacacg agcgtctctg 180
gctttgtcga tatgcttgac aaggagggga agagacaaga gtacgaggcg gactcccagt 240
atggccagaa ctactcctag taagggttta aatccccga gggacgaaaa ccaaccacgg 300
ggggggggcgg ggggaacctg ggggaccc 328

```

<210> 2779

<211> 422

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R08564

<220>

<221> unsure

<222> (1)..(422)

<223> n = a or c or g or t

<400> 2779

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ttcanaaatc atttttatat tttatttact attttgctcc acaatttgag tcaaacatgt 60
gatgagagtt ctaacttgat atgtttactt cagtcccaa catagtcac tttgggtcttt 120
tctcagattt ggcctaaaac tcgtagtttc attgattttt ttttttaact agggcattct 180
tctatgttct agggctttca agaaacctcc ataccangg aaaaaatngg aanggcaacc 240
atgttctact atgggtgcc aaaaataggt gaacatcgac atcaaaangg attctttctg 300
gtctggctta ttcacatatt ctgggttttg aattaaaagg tgatggaant taccctaaat 360
acgggtgggc cctctggtat cctgggggtt ccncatccac aantttcaac caacgtgggg 420
tg 422

```

<210> 2780

<211> 374

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R08615

<220>

<221> unsure

<222> (1)..(374)

<223> n = a or c or g or t

<400> 2780

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acaccagcaa gtttattgag taattaaggt gacagccata gaactttgca aatgcgtttc 60

```



cataaaagtt ctgagttact tgactatgaa aagtgaattt tcattttaac caacccccctc 120  
 ctccaataact accagaaagc atgagattct gaagaaatct tcacaaatct actcttaatt 180  
 atgggtagca atgttccagt ctcaattagg gttctgctgg ggttctggga gttggggagt 240  
 gaagtgggct cttgagtggg ctncacgac ttgtggggag gttctcatcc caaacactgg 300  
 ggagggcctt gaggtcccc actttgtgac ccgccaggac tttaaaggat ggattccaaa 360  
 cataaatgnc catg 374

<210> 2781

<211> 294

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R08850

<220>

<221> unsure

<222> (1) .. (294)

<223> n = a or c or g or t

<400> 2781

ttccnaaaanc aggcagttaa tgtgctgaca tagtaacaag gtttgaagga ggaacatctc 60  
 atgcacgtgc gtggaaaccc aattgtcatg tgtatgaact acaaaaggat ggggaaaaga 120  
 acacatttcc tcacaacagg antacatgag attagaaaga aaaccggant gaggtagatg 180  
 catgantgca cagacaaggc tatgtgacag gaagctgggt gacattttgc atctgacata 240  
 gcagtacacc tagagagccc aaggaantcc accccaagt taccagaggc aaga 294

<210> 2782

<211> 348

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R09053

<220>

<221> unsure

<222> (1) .. (348)

<223> n = a or c or g or t

<400> 2782

ttnanatgtt tattacagat ttattggggg aggcccaagg agaagacctc tcatcatgtc 60  
 acgggagctc acgttccata ccaggaaagg agtggtcctg tcaccagggtg aagggggaag 120  
 ggtcctggga cccggcagtg ggaggcctcg gggaggggtn tcatcagagt cttgaatgga 180  
 ccagacgct ctcttcccg caggacagga tgcgtaggag cagagaggaa gcagctttgc 240  
 tgggggaacca ccctgggggtc gtttacttga accaaaggct cctggggggc agccagaggg 300  
 ccaggggagg ttaacacggt gcttcaggct ttcttnttct tggggccc 348

<210> 2783

<211> 211

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R10138

<220>

<221> unsure

<222> (1) .. (211)

<223> n = a or c or g or t



<400> 2783  
tcaatatttta ttgaaatact gaaaaaaaaan tccattttnt tgagaagttc ctggcaagaa 60  
ctgacatgac aatatgtatt tcattgatac agtaagaaaa catcaacaag taactgactt 120  
cgcactctaa acattgcatg gattcaagtc caaggcagct gcagatctgt gatacaanta 180  
atcagncatt agngattgtc tgtttacaaa c 211

<210> 2784  
<211> 437  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R10287

<220>  
<221> unsure  
<222> (1)..(437)  
<223> n = a or c or g or t

<400> 2784  
cctcaaatat caagaggccc tgaggtaggg tggtccagg aatgcttaag tgagtgttc 60  
tttgacatca ctaagcactt ggcttccatc catcttccaa cctcaccaaa aagggtgttc 120  
ctcatgacta caagccggct gacatggtgc caggaatctc gtcatgaaca tatggtgttc 180  
tcagcgcaac aagaagacat ctcttcttga actgaagagt gaggggtgaag aaaactttcc 240  
ctgaaggcac ctccaccaa agatttttct tcaagattca ctgggacaaa aatacatcac 300  
atattcatgc ataaacccaa tcacttgcaa agggggaatc aaattaccca ttaccctaac 360  
cattaaactt aattaggggt tttatttctc tngaggctag ggggagatcc cttttccctt 420  
gaaggattgg gagtttt 437

<210> 2785  
<211> 223  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R10378

<220>  
<221> unsure  
<222> (1)..(223)  
<223> n = a or c or g or t

<400> 2785  
ttttttttta acacangtct acattttatt ggtgaatat gcatatctgc tgtactgaaa 60  
gcacattaaa gaacaaaagg caaagtgaga agaatgaaag actactcaca acagttatca 120  
tgattgagca tggatatgtt cagaatgagt atttttcaaa tcactttaaa caaagctgaa 180  
ttgcagaaac gaaagcccaa cagcagcaat taaattacat ttg 223

<210> 2786  
<211> 267  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R10662

<220>  
<221> unsure  
<222> (1)..(267)  
<223> n = a or c or g or t



<400> 2786  
agacacatct atttatztat aatccactgt gtataaagga atactatcag aaggcaagta 60  
taagtcttaa gtgctaccaa cacttatgtt ggnacacttt gtatatcaca ctttgataca 120  
acactttgta tcggnataca gagaaagaag aacacatccc acagtgcata aataaccata 180  
tttaacacct ctcaaagact ttgtatagga tcaggcaggt tagccaagct gcagggntat 240  
ttcccatctt ctgtggaaat gtttggg 267

<210> 2787  
<211> 319  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R10684

<220>  
<221> unsure  
<222> (1)..(319)  
<223> n = a or c or g or t

<400> 2787  
ataaactttt ttgtgtctat gtcatatctt ataattgttt tcctaaatgc ttaacctagg 60  
aaacacatgt gtgcacaccc atgccaaaca cacaatgaa tttaacagtg tggtttatga 120  
aatgaaagca ataattagtt gactcttcag aacctcttca ttgtggccta tgtcaagctc 180  
tataatcttt tctcctcaat gggagggcca tgggttaagg ggacagatgg ataaaggtag 240  
aagggttttt caattgctta acntgcccc aattttccan ggggttatag ggnatttcnt 300  
ccaaaagggt ggtttttgg 319

<210> 2788  
<211> 262  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R12472

<400> 2788  
ttattgaaaa ttttattaaa atccttcatt tatcttccag atagtagatt ctattaacca 60  
agttgcataa agagttctga ttcccagagg taagaactga gcctggcttt ctagttacat 120  
gtttactggg aaccccgctt tccctataa cacttaagca tatttaaaga atataccctc 180  
ccctgcctcc agccaggat tgtaagctcc tcaagagcat ggctgtgtct tttaacatca 240  
agggctccag ggtgaggaag ag 262

<210> 2789  
<211> 357  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R12579

<220>  
<221> unsure  
<222> (1)..(357)  
<223> n = a or c or g or t

<400> 2789  
tttttgagga ttttgtgtgg ctaatgtgtt ctagaagcag agactccagg gagaaccaga 60  
atztatgaag cctcgtgcaa catgngcctt tctcaccgag gtcatatgcc tggctgctgc 120  
tgttccactc agctccatga gccacgtttg ttattttatg tttcttctgt gcttttgctc 180  
atttccaccc catgtgttta tagacctttt ttcagccctt tttctttgtt cctttccctc 240



atcttttttgc ctcaggtagg aatccatcag ttttctctccc cctccaaatg actgtgtacc 300  
cccagctgct cagggacttt gggaggtggg ggggcggggc tgggggggat ctacccc 357

<210> 2790

<211> 469

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R15740

<220>

<221> unsure

<222> (1)..(469)

<223> n = a or c or g or t

<400> 2790

tttttttttt tttttttttt ttttattgca ctctttttatt tacagaaaac acagataaag 60  
catttcaatt tcaatgttca ttttagcaaac tganccactc tttttttttc tttttggcac 120  
aaagaaatat cacagatgga ccccgagatc aatcagaagc tcataagatt catcagtcac 180  
cactggtcca ggggcggcca cgagactcag acagacagac agcatcacca cagactggaa 240  
acagaaacag gtccacgttc acctcacagt aaaaacctgc ctcaccgaca gcaaagggcg 300  
ggcaggaggg ggcagtttcg ctgctctaag gggggaaatg ggcgtcaggg gcaggaggca 360  
gggntgggga aaggntggac accnttcata atttagagac aagtggtcct cttgtttgta 420  
tcctcttacc ttgattagta agacagtgc aaaaactagnt acccgtcca 469

<210> 2791

<211> 224

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R15825

<220>

<221> unsure

<222> (1)..(224)

<223> n = a or c or g or t

<400> 2791

tttttttttt ttttttttta gagtcagtat ttattctgat taatatttta caaaattttg 60  
acatttaatt tatgtaagga gggctaattt attaaacact ttacagggtt ttctttccac 120  
agaataacac ggtaagtagc aaaataatac ttggcacagt tataaataaa gaaaatataa 180  
aataaaaaca tcntagctt aagtacaatg atgctgtttt acgc 224

<210> 2792

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R16098

<220>

<221> unsure

<222> (1)..(401)

<223> n = a or c or g or t

<400> 2792

ttttccatca tctcatcatt taataaatat ttattgagga cctactaagt gccagcactc 60  
tgctaggcat ggggatcaga tggcgaataa aaaaatacag tgcttgcttg taaagatatc 120



```

ccaggccagt cggggagggt ggtccctcct ggaggngaag caaagtccag actcagagag 180
ggcatgcatg cacctgggtg aagaggagga ggggtggaggc agaggccagg cacacctcac 240
ccccggagct gagagcagaa atntcttcat tcttcaagga ntctctgagg acgtgctgca 300
cagctgggaa atgccaacaa gcagatccng ctttgnaccc tccaagcttt catctttctt 360
gtccctcaaa ctcttcatgt nttgggacat tgggcaccca a 401

```

```

<210> 2793
<211> 417
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R16144

```

```

<220>
<221> unsure
<222> (1)..(417)
<223> n = a or c or g or t

```

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<400> 2793
ttttttttta agttttccaa taattttaatc aatgcaaata tacacatana cacatttctt 60
acatcaatag tattcaacag tttttatcaa aaggagaaaa ttttgatttt ataaaggcag 120
tgganataaa aaacagtaat tattaagttt tgctcaagga ccattctagaa ggaaaattta 180
gtgacacatc tgaaataagc aactgatggc cagcctagcc ttattaagta acacatatct 240
aaattgtaga tctccccctc ctatcttcca ccccatagct aagaaaggaa acccagggat 300
agaactaatt gaactctatt agccagggga atcgaaacca gtgccaatag agagatggnc 360
tccaatttag tcttcaaagt ggacaaagtc ataacactgg ttttctttcg atgttgg 417

```

```

<210> 2794
<211> 382
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R17762

```

```

<220>
<221> unsure
<222> (1)..(382)
<223> n = a or c or g or t

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```

<400> 2794
tttttttttt ttttttttgg cacacagaac cangttttatt tctcatgaat ttataggacc 60
acatgtcagc acagagcaaa tgggtacaagt gcagatggct ggggtgaggg cgggggctct 120
gctgctgcct tctcttctct ccagctgcct gactactggc acacagcggg cagtgaatct 180
gaggagctgt ggcctcacag tcgctgcagg ctgagcagaa aggagggcca ggggaggtaa 240
gantcactcc tgcaggagcg ggttgggtgat gaagggtctgg ggggaactcg gtctctcttg 300
gatgaagtca cccctccttc ctggggccgg cccagcccn tccccacctg ggccagctag 360
ctgggggttcc ctgcagcagc gg 382

```

```

<210> 2795
<211> 388
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R19808

```

```

<220>
<221> unsure
<222> (1)..(388)

```



<223> n = a or c or g or t

<400> 2795

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tgtttgctct tgacagggtg ggcctcttaa aagaaaaaaa aacaacttgt tttttcttta 60
tgaatcccct atgccaaaca cataccttcc atgcatgaca tgagatctgc aaactggatt 120
ttagccaccg tatttattta gtcaaaaaaa ttgtccattg tagcagaccc gaaaaccttt 180
ttgctgtgac atgaaacat gttattctta tcttcttaaa acacagcctg ggatggaatg 240
gccatggcat ttttttcaga gaacatcctt tatctgctat gactgaatcc ttagggtaat 300
gtaagctata accctttgat tttcaaggaa ctaccgaata agtntatgaa gaggtgggtt 360
ttttaaaact ttcangttgg gaattttt 388
```

<210> 2796

<211> 403

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R20817

<220>

<221> unsure

<222> (1)..(403)

<223> n = a or c or g or t

<400> 2796

```
tttttttatt agttattttg cttttaataa agtaaatgta atgacaggag tagggaggng 60
acaaacacat caatatatat ttttcttatg gnnagnttnt ttaaantgta cccgggggtca 120
acaatcacgc cagctttgtt ctactattgc agaaacacgc ttttcatatt cccgtttgtt 180
ctcctgggac agctgagcag cctggctgtt tgctggacta ttgggattgg gttcanccaa 240
cagagactgt atggatgtta gaatggaaga cacatcatag gttggactcc aacggttctg 300
aagtatgtcc cagaccatat actaccatc tgcataggac catttgggat ggggaccatc 360
ttaggagacc aatctaacct gtagggnggg ttttattttg gga 403
```

<210> 2797

<211> 365

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R21232

<220>

<221> unsure

<222> (1)..(365)

<223> n = a or c or g or t

<400> 2797

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aacatgaagt gagctcactt ttaatggcac agaaaaccaa taacgtattt tgagcagctt 60
tgatgaaaaa catcaaagaa ataaacctca gacacccaaa tgatctaaac acaaagacaa 120
gagggtttcag aatagtgtat aagaaatcca gtaagatgaa caactaggac ctactggaaa 180
ttaaaacagt tttaaaaaaa aatccggcca ggggtgtgggt gaagagagca ggacaccttt 240
gtctttgttc cttaatcttt aggaggcaac acattcagtt ttttcaatat ggtgttaggc 300
tgtaggggtt ttccatatat gccctttatc ngggggtagg agttttcctt cttattttccc 360
cgttt 365
```

<210> 2798

<211> 485

<212> DNA

<213> Homo sapiens

<220>



<223> Genbank Accession No. R22196

<220>

<221> unsure

<222> (1) .. (485)

<223> n = a or c or g or t

<400> 2798

```
tagaatcaca ancccaaaat atttattttg ttctttttca tatgacactg ttaaaacatt 60
cctactacag caatactgct ctccaggagc ttacaatcta aaacagtcaa cattaattgt 120
agacccagta attaaggcat tatatcaaat gcagactttg tatctttttt ttttttttga 180
gacggagttt tgctcttgct gcccaggctg gactgcaatg gcgccatctt ggctcactgc 240
aacctccgcc tcctgggttc aagcgattct cctgcctcag cctcccagat agctgggatt 300
acaggcatgc accaccatgc ccagctaatt tttgtatttt tagtagagat ggggtttcac 360
cacattggcc aggntggctc caaactcctg acctcagggt atctgcaccc ccgnttgggc 420
tcccaaagtg tgtgagccac tgtgcccgag ccagcctcgt tccgaattnt tggggctnga 480
gggca 485
```

<210> 2799

<211> 267

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R22565

<220>

<221> unsure

<222> (1) .. (267)

<223> n = a or c or g or t

<400> 2799

```
ttcanctcct tttattgaca gaaatagaaa tttgtgctgc agaggcagta gtacctcaga 60
gcatgagaag gtagtcaatg gggtgacat gacaagccac aatgctggcc aggggtccta 120
ccatagtggg agaaccaaaa ccacaaaaat agcaggaggt agcaaacatc cccaacaccc 180
agtgtaaagca ttccatttg cagagagctt ggccatgcat ctttaaaaaac ggggtccccc 240
tcacagctgg gcagggtatc atgtcag 267
```

<210> 2800

<211> 298

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R22905

<220>

<221> unsure

<222> (1) .. (298)

<223> n = a or c or g or t

<400> 2800

```
atttggaact ttgaatattt tagtatattt ttctttatat ttaacagcat gggactatta 60
atagggccca taccagagca gacacaattt acaactgcaa gttttacca tgaattatgt 120
gacaaaatct ttttgaatat aaaataacca gcatttctat aaaacactgc tttttaatta 180
tgcaattaaa gngatatagc aaaataagga cgtttttatt tctaaagnaa atatttttagg 240
ncaaagtgtc atcagggnaa tccaagggat ttctttggcc attttcagga ggggggttt 298
```

<210> 2801

<211> 218

<212> DNA



<213> Homo sapiens

<220>

<223> Genbank Accession No. R24507

<400> 2801

```
taacaagtaa aaacctgcaa actcttttatt aaattctccc atttcatctg tacagaaaaa 60
aatgcacatt atgttcagaa catatctcag taacatctca aaattacaca gcatgaacat 120
gtaaaaacaa gggaccacca cgattttata catagaaagg aaacccattt acaaaagagg 180
cttggttaatt gtattttttt ctttctttca aaaacaaa 218
```

<210> 2802

<211> 468

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R26706

<220>

<221> unsure

<222> (1)..(468)

<223> n = a or c or g or t

<400> 2802

```
tataaaaaat ttattgagat gatgtaatta taggcttttc tttaaaaatt atttgcaact 60
cactggccct gagaaaaggc attttttttg tttttttttt tcttttttgt tacattcatt 120
tgattcagtc ccttataaac cccacacctc ataaacaaga gattagaaac taaacaaaaa 180
ggggggcggg gaaggaaatt ctagagtcgt tctgggtttg caggtgggtt gcgggtcaca 240
aagaggaaat catcaaggaa tgttcacttg ggcatgtgtg gaaaggattc agggggggnc 300
tgcagctgtt taggtgtttg atgcagtttg gggccaaaag ngtatcaggg ttagncttc 360
tgtgggggtt ttaggggagg ggattatggg gggccctccc ntccccaccc ccactgggcc 420
tncccttntt gtcncagcc cttttatttc ctactccga gngggggt 468
```

<210> 2803

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R26744

<220>

<221> unsure

<222> (1)..(346)

<223> n = a or c or g or t

<400> 2803

```
acatttttct aaagaaatat ttaattggta gtcttctaga aagaaggctt ttcatatagt 60
acaaaaacat gcagtcggaa gcactgagaa aactgggcaa cataagagaa gcatgagatg 120
tgacatgaag cagctgatag tctatgtaag tcaaaaataa aattctaagc acacaaccaa 180
ctgaatcgac ccttcactt ggccaagagc attctaaagt aaacctgaaa cactagctca 240
ggccatgatg gggaatgggg tgggtcagac atacntcat tatacnttc cctctctttg 300
gggaattcag ggcacagtgg gaccagcat ttaaccattt aaaaca 346
```

<210> 2804

<211> 177

<212> DNA

<213> Homo sapiens

<220>



<223> Genbank Accession No. R26904

<220>

<221> unsure

<222> (1)..(177)

<223> n = a or c or g or t

<400> 2804

```
aanatttgaa aacttttatt ttctcaaagt agcaccaaca cagattggaa atatgacaga 60
aacaatgcac ttttctctaa tactgaatca ctatgtacaa atacaggaaa aggtgaagac 120
aaattatttg aaaacaatta cttttgttat aggaagcaaa gtgacctgga aaaatgc 177
```

<210> 2805

<211> 354

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R27016

<220>

<221> unsure

<222> (1)..(354)

<223> n = a or c or g or t

<400> 2805

```
gngaacgtca cgggtttacc ttcacgtggc cattctcctg tccgttcgct ttggaaggcn 60
cgaggcacag cgntcccca ggctctccg cggcggttc tcccttcgct gcggtcttgg 120
agaactgggc acccatgctg gcttcttcaa caaagaaact caacagatcc aagaggggaa 180
aagaagagcc tcgggttggt gtaacgacgg ggcgagcagc aagcagcggc ggcggcaaca 240
agcggcaggg ccacacacac cggagggagg ggggggttgg gggttggtnga aaaggncaag 300
aacagaaccc attttaatta cacttcccga ttaaaaaatt ttttagttcc gagg 354
```

<210> 2806

<211> 224

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R27296

<220>

<221> unsure

<222> (1)..(224)

<223> n = a or c or g or t

<400> 2806

```
tcagaaagaa agaagtcaaa ttttatttgt ttgtagatga catgaccttc tgtaaagaaa 60
atcacaaaga gtcagccaaa atgcaactgg aactaacaaa cacattcagt ttatttgcag 120
antagantaa cagcaccaaa anttagttga atttccatac attaacaata aatantttta 180
aangaaantt aaaaaccant tccatttgct aaagaactta aagt 224
```

<210> 2807

<211> 253

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R27432

<220>



<221> unsure  
 <222> (1)..(253)  
 <223> n = a or c or g or t

<400> 2807  
 aaagaataaaa aacattttatt ttaaaaaatat catttagcat caattgcccc aagtttggca 60  
 ggcatgaaga gtgggcagtt catgttttat tagtatataa aattggcttt acaggaagca 120  
 ttatggcaaaa aaaatgaata cttattatga aaactgaaaa agagaagtga gtagtaagct 180  
 actatcagan cgттаaggct aagaaaatgt cactntgcaa tgaaaaccat ctcctcctct 240  
 aatanggtac taa 253

<210> 2808  
 <211> 463  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R28636

<220>  
 <221> unsure  
 <222> (1)..(463)  
 <223> n = a or c or g or t

<400> 2808  
 gcgagacaaa gtccttttatt agaaaatata tcaaaaatccc agccccctga gccaggacca 60  
 gaagagggag ctattccagc ataggcagaa aatgcccagg gaggggnttc cttcaccaaaa 120  
 caanttccc ggaaccataa ntagattaan tnttcacaga ggtccgagga gaagccagnt 180  
 cantcttctc tccatggaag agggaggggn ttgggggtcca gccctgntcc tactntaggg 240  
 gcagggantc ctagggantc gtcacataaa ntcattgacat caaggtttca cagtcataag 300  
 ccctacaggg agaccctagg agagagggga cccctgaggg tnttacaggg agcccagttt 360  
 ccagttccag gcagtttnagg gggagngggc cccttaccac ctaggcacgg gcaccagagt 420  
 tttcagtttt cccttnacat cccttttgng gaacgttnag ggg 463

<210> 2809  
 <211> 311  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R30931

<220>  
 <221> unsure  
 <222> (1)..(311)  
 <223> n = a or c or g or t

<400> 2809  
 tttttaggac anangggact ctgttttaat aagcagctta tagatttttag caaaccatat 60  
 tnccnatgac antgggttct cananaggct tgcagttcaa aatccaagtt tgaaatctgg 120  
 gacggaaggc attctggaaa acggagaatc taataaaatc aatgacgtct catgttcgat 180  
 gctggctgtc acggaagggc tgggccatct gttgggtctg aggtgtaggc tgggtctcgt 240  
 gaatcccact cgggtacana atcgggctaaa cactaaaaca tgttcaaggc aaagggtacat 300  
 ggggggcncca g 311

<210> 2810  
 <211> 301  
 <212> DNA  
 <213> Homo sapiens

<220>



<223> Genbank Accession No. R31104

<220>

<221> unsure

<222> (1) .. (301)

<223> n = a or c or g or t

<400> 2810

```
ttttaaatat acaattttct ttattaaaaa taattttacag catcagtaac atatacacaa 60
ttgtcatcaa ctgaactttg cctccaatat atttctatac aatacttaac attattganc 120
ttaaaaactgt tacactggtt tgttggtttt aaataataga caatgatttt ngctctattac 180
ttaggnagata ggncaaaggt gattactttg gttacttagg ngaggatata tgggnttcat 240
ggcccccata ttatggggta aaattgatgg gaacgggtcng gcaatatcnc tctttngggg 300
g 301
```

<210> 2811

<211> 468

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R31107

<220>

<221> unsure

<222> (1) .. (468)

<223> n = a or c or g or t

<400> 2811

```
catctctcct tttttctttg gacttttctg agacccctc tccttggeca gccgggtgtct 60
gcatcttgca gctctttcag ctgtaatcca ctgttattat aaggagccct gttgctgtgg 120
tggttaaggag tggggaaggg aagcattcca ttttcttagg attacatctc aatctttttg 180
ntgggcctat gttgctgtac tgtgacctt acaaagtgtt cttaaccttt ttctctcttc 240
cttaggttga cacagggaat ctaggagggg gactcgagtc agaggaacta tcttctcccc 300
aggatggggg ataaggactc tggggtaaag gcccttttcc ntggggagag gtaagggtctt 360
taatcatagg ggggaacatt tctgaggcgc cactttcaaa gggcatttac ntttccccctt 420
ncccttttnc agagccnggg gggaaggggt ntatcttngg ggtctttt 468
```

<210> 2812

<211> 241

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R31607

<220>

<221> unsure

<222> (1) .. (241)

<223> n = a or c or g or t

<400> 2812

```
aatgtttaat ctttccaatt aaatacttcc attccataaa cttcagaacc aaagtttagat 60
accaacaaga gactgaagat aaatacagtg tcaatagtat caagggacta gcccatataa 120
tatacttgaa aatcgtatta atcaccaata aagtaccca ccataaacia aatacacant 180
aaaangtcaa ggatacaatt aaagacaggc caacatatga ggtggaccat tgacaggagn 240
g 241
```

<210> 2813

<211> 484

<212> DNA



<213> Homo sapiens

<220>

<223> Genbank Accession No. R31641

<220>

<221> unsure

<222> (1)..(484)

<223> n = a or c or g or t

<400> 2813

```
cggtgttttg gctcttataa ttaggtcctg agattttata aaaatttagt ctgtagcttt 60
ttaggttctt cactagagtt ggttgtagat aataataaag aatataaagt atcccaaat 120
tcttttaaag tctggatttt tccgctaata tgtactttag agaataattt gttcatgcat 180
acttccacgt taaattgaaa atgtcttcag cttctcttgg gtaaattgtga accatttgtt 240
ttttattgtg cttgggggga gaggggtatt ttaataataat ttttgccta aatcaaggag 300
tccccctctg gaatgttaaa ttttaaatgt ccaaaatatg gnggacggat atatcttnga 360
agtgaggatt gccanatgcn ttaaacntta gtnggggttt ttnccaaaac ggnggaaatt 420
cngggggntt ttgtccnttg gaggcncccc ntagggggga attgtagggg gcntcgggtt 480
ttgg 484
```

<210> 2814

<211> 340

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R31917

<220>

<221> unsure

<222> (1)..(340)

<223> n = a or c or g or t

<400> 2814

```
gacaatgcta atgagtattt tattggggcca ggagcatgac atctttactg cttatcaata 60
tagtncttta tcaaaaaganc tttaataaaa gcaaagtgca gaacagtata tacagtaagt 120
ncctatttgt gtaaaataag aaagctacat ttatttctac ctacacagaa aattacaata 180
caaggacatc taaggacatt ccaagtaggt ctgtggtaat gatgggaaaa atgaggacag 240
ggctagggga aaaaaactta cttttgctaa tctactcttt ggggtactgt ttggaatagg 300
tattttcnat aatgtttgtg gaattacttt nccagggtaa 340
```

<210> 2815

<211> 462

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R32036

<220>

<221> unsure

<222> (1)..(462)

<223> n = a or c or g or t

<400> 2815

```
tcagtttacg gttgttggtg catttccttt cacatacagt gacacagagg gagttcataa 60
agttagaaaa caaggatgac caaagaagca gctgagtgtt ctagacaaac caacgatagg 120
agggagtggg ggaggacgaa caatttaagc agcagagaag ctcccagcaa acaggaacag 180
tctacaaagn tcagacaggc aaacaacatc ctgaaggaag aggaagcaca tttntgggc 240
acaggccatt tccattgtc tttgatggga tctcttggga accacacttc cattctgctt 300
```



tacactttgc taggaggaaa gttcaggggtg atccaaagtc tcaggaaaca ctccttactt 360  
 nggggtttttt tcccnactta gggtcctttac ggggtgttgc ccttttttnaa ggnccctggca 420  
 aatttcaggg gnccagacag ttcgtncttg caggcatata at 462

<210> 2816  
 <211> 464  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R32440

<220>  
 <221> unsure  
 <222> (1)..(464)  
 <223> n = a or c or g or t

<400> 2816  
 ggtagganac gaatacttta ataagatacc agtgtcaaaa tacattncct tataaagtta 60  
 agnccccata cagttataat gttgtcagta ggaattcgac aatataataa cgctcatgaa 120  
 atcgttacgt tgacaggtag gggttaatatg aagcttggaa tattttccag tggttttaggt 180  
 aaaactgccca agggntaaaa tgcccttaac gccggggcaa cacacacagg gaaatcaaat 240  
 accaggcatt tacacgtcgt aaacccttca agttctggcc acccggtgtg ggggtaattgg 300  
 ccgtgcggct taaaatatgg attttacggn aacaccatgg actaggggaa tttccttcat 360  
 aggggaacttt aaattttctt tttgganggc tattttctct gtttttgggg gcattagggtc 420  
 ttttcggggg ttttactaan aggttggggg ccctgtgtgt tttt 464

<210> 2817  
 <211> 363  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R32490

<220>  
 <221> unsure  
 <222> (1)..(363)  
 <223> n = a or c or g or t

<400> 2817  
 aacatttaag ttntgctttt attaaataca aaagcaaaat aagctctaag gagtaaggta 60  
 gggctactta agggcggttt ctgtggacag cggacacagc accattaagg ttagcttaga 120  
 tttgaacaaa ccatgagcag acagctaact acatgttatg tttctcttag tagttttagg 180  
 ggtctgcccc gtaatcaaga aattttactt ctccagaata catgaacatg ggggaccena 240  
 aggaaatgta aatatttcgg aaaaagcacc tacaccaatt aaaatgagga cggcaatcct 300  
 tatgcagggg ccaggatgtt ctncceccatc ttaccaattg tggccatttt accnaatttn 360  
 att 363

<210> 2818  
 <211> 195  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R33146

<220>  
 <221> unsure  
 <222> (1)..(195)  
 <223> n = a or c or g or t



<400> 2818  
 atatcaagtg tnttttattt tcacaaatat tttaaaatgc agctaccttt gagccacaaa 60  
 agggaaaagc agtattcctt ttatgtattt gatacaataa ttaaacataa ctcagtttta 120  
 gttcattagc tcagctcagt gaaaatagct caggaaaaaa aagtcatagg taatgctatt 180  
 ggtatatgca ggaaa 195

<210> 2819  
 <211> 348  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R33498

<220>  
 <221> unsure  
 <222> (1) .. (348)  
 <223> n = a or c or g or t

<400> 2819  
 nctttttaat aatttcagaa taaagtctca tttcagtgca gtgggctggg tgggtggggga 60  
 gaggggttgaa agccccactt ggggtcccca ggggtccattg agccctctca ggccagctcc 120  
 aggaatcctg ggcctgggtc acagagcaga gttgcttgca gggtcctagt ggccatcggg 180  
 ctggggcagg acatcatctc tcagaggggtc agaggctcag agctgggtgc agctcagcag 240  
 gtcacggccc tccaccagct ctgggttctc ccgcatcatg tgggtgggct gctttttccc 300  
 ccaccagggg cctnagctcc agcagctnng tggggtnagc ttagcaac 348

<210> 2820  
 <211> 410  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R34133

<220>  
 <221> unsure  
 <222> (1) .. (410)  
 <223> n = a or c or g or t

<400> 2820  
 taatagggaa tatttatcac agctatacat ttattcatca ttttaattccc atttatttat 60  
 tcattaattt attcaaacac ttcttaagca tgcaccatgt gtcatgcccc tcttagaggc 120  
 cacaaagggt ctaaaactat tacttgtgga cagaaaaaga gacctatata catgtaggca 180  
 ttatgtctta ttgggaattc agagcaggaa gagaacacat ctgggctggg ggcaggatga 240  
 gggaaggacc tgataaattt tctattgaac aattactcta aataagtgtg ctttcttttag 300  
 gatgggtagg gntttggacc ccggggnttc aagattacng gggattttga gtccaaagtt 360  
 ttggggcccc ttggggggga aatcctgcca tttttgccgg ggtcctgggg 410

<210> 2821  
 <211> 348  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R34362

<220>  
 <221> unsure  
 <222> (1) .. (348)



<223> n = a or c or g or t

<400> 2821

```

agaaagaaan aactttggct ttattatattt tatattttatg gtatatccaa gctgaaaaaa 60
gtattcatca tatattagtc aacaagaagg aaaatgtata ggaaaaaatct cattcacttt 120
ttaggagaga gccaacaact gtctaact ttcactttgt gggttaaaac cacaccctca 180
ttgctttata aatctaaggc ttggctaaaa aacaaacaaa tgttggggcc acacaattgc 240
tccctacttt actccctccc tttgtgggat ggatatggca ggctttttta cctggcctcc 300
actttccctt aaatggatcc cctgggcat cctaaaaatt atatattt 348

```

<210> 2822

<211> 329

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R36109

<220>

<221> unsure

<222> (1)..(329)

<223> n = a or c or g or t

<400> 2822

```

gttactacaa ancatatttt attacaaagc actaaataca atgcggataa tcccagactc 60
aagacgtaat tattccaaca catatcctcc agcagaagca gtttccgagg ggaaaaccga 120
agcctatgcc ttccttcttc cagggntacg aagcggccct tgccctgta ggcttcgtcc 180
ttagggttcc cgtcatgaag gntaatcagg aagggtttct ttttcagccc aaagacggnt 240
gacgantaaa gccatttcag gtgacagctg ggaaggggca ctgcaggaag gacaaaaatg 300
taccnatagc gtaggggcac ttcccaac 329

```

<210> 2823

<211> 320

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R36228

<220>

<221> unsure

<222> (1)..(320)

<223> n = a or c or g or t

<400> 2823

```

aaggtagcct tttattctga ttaattaaga tacatcttta agggttattc tggtaggtaag 60
aacatttatc ttgacttatg tttaattttt ttaatgcttt ggcagatgaa gtaacatttg 120
aaaactgttt gtgaaaatag tatgagactg gaaagattac gtcgtgggta aaagtttcac 180
agttttccag ggtatttcct tatactgaag aggccttgag gcaaattcaa cattctggga 240
agcccagact gacaaaggca aaacaggatt ttgatgttgc ctttgttggg gccnggggaa 300
tgatgctgct gcttggccag 320

```

<210> 2824

<211> 329

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R36947

<220>



Time	Lat	Long	Alt	Temp	Hum	Wind	Dir	Speed	Pressure	Clouds	Remarks
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0100	30 00 N	155 00 E	10000	28.0	85	10	090	10	30.00	000	Clear
0200	30 00 N	155 00 E	10000	28.0	85	10	090	10	30.00	000	Clear
0300	30 00 N	155 00 E	10000	28.0	85	10	090	10	30.00	000	Clear
0400	30 00 N	155 00 E	10000	28.0	85	10	090	10	30.00	000	Clear
0500	30 00 N	155 00 E	10000	28.0	85	10	090	10	30.00	000	Clear
0600	30 00 N	155 00 E	10000	28.0	85	10	090	10	30.00	000	Clear
0700	30 00 N	155 00 E	10000	28.0	85	10	090	10	30.00	000	Clear
0800	30 00 N	155 00 E	10000	28.0	85	10	090	10	30.00	000	Clear
0900	30 00 N	155 00 E	10000	28.0	85	10	090	10	30.00	000	Clear
1000	30 00 N	155 00 E	10000	28.0	85	10	090	10	30.00	000	Clear
1100	30 00 N	155 00 E	10000	28.0	85	10	090	10	30.00	000	Clear
1200	30 00 N	155 00 E	10000	28.0	85	10	090	10	30.00	000	Clear
1300	30 00 N	155 00 E	10000	28.0	85	10	090	10	30.00	000	Clear
1400	30 00 N	155 00 E	10000	28.0	85	10	090	10	30.00	000	Clear
1500	30 00 N	155 00 E	10000	28.0	85	10	090	10	30.00	000	Clear
1600	30 00 N	155 00 E	10000	28.0	85	10	090	10	30.00	000	Clear
1700	30 00 N	155 00 E	10000	28.0	85	10	090	10	30.00	000	Clear
1800	30 00 N	155 00 E	10000	28.0	85	10	090	10	30.00	000	Clear
1900	30 00 N	155 00 E	10000	28.0	85	10	090	10	30.00	000	Clear
2000	30 00 N	155 00 E	10000	28.0	85	10	090	10	30.00	000	Clear
2100	30 00 N	155 00 E	10000	28.0	85	10	090	10	30.00	000	Clear
2200	30 00 N	155 00 E	10000	28.0	85	10	090	10	30.00	000	Clear
2300	30 00 N	155 00 E	10000	28.0	85	10	090	10	30.00	000	Clear

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<210> 2825
<211> 321
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> unsure
<222> (1)..(321)
<223> n = a or c or g or t
```

```
<210> 2826
<211> 396
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> unsure
<222> (1)..(396)
<223> n = a or c or g or t
```

```
<210> 2827
<211> 296
<212> DNA
<213> Homo sapiens
```

1226



<223> Genbank Accession No. R38076

<220>

<221> unsure

<222> (1)..(296)

<223> n = a or c or g or t

<400> 2827

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tttttttttt ttccgaagat tgtttggaat ttatttctctt aaataagaat gtaacatttg 60
ttaaaaaaaaa aattaaaagc acgacaactt ggtttcacag tcaacggcaa aaacaaagtt 120
acacanttaa ataaaaactc acaaagaaac acaccaagaa ctcaacagag cacaagttaa 180
aaacaaaggc aaaantggaa gtggagagaa ggcgggcagt agacaggcag cagtggcgtg 240
ttccttgga cagctaatac tctcctgttg gggctctcgt accgccgccg ggaagc 296
```

<210> 2828

<211> 257

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R38185

<220>

<221> unsure

<222> (1)..(257)

<223> n = a or c or g or t

<400> 2828

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tttttttttt tttttctggt tttccttttt atttaatacaa aggacctggn gaataaacat 60
aaatacanna caattacttc aggatcattc ttcataattgt atacacacaa acccatgaac 120
ataatctgaa agaaacctgt aagacaagca atgaaatgca tacagctttt tcttccctcg 180
ctcaaaaaaa agtttaaaca caaaaactta caatctcatc agcacacact ctcttgtagc 240
aaatgattca ggcataa 257
```

<210> 2829

<211> 429

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R38239

<220>

<221> unsure

<222> (1)..(429)

<223> n = a or c or g or t

<400> 2829

```
aganaattnn ttttattcag cctgatatag atcatttatg aaaaactaac agcaaacatc 60
atcctcaatg gtaaaaggct gaaggatttt tctctaaggt taggaacaag gcaaattgcct 120
gctcttgcca ctctattcag catagtgtctg ggagttctag acagagcagt taggcaagga 180
aaaggaaatc taagggcac caaattggga aaggaggagg aggtaaaatt atctctgttt 240
ggccaatgga tatggatttt atatggtatg gaataggaaa acccttaaag gattccnccc 300
agggggccngg ggnccgggtg ggctcacgg cctttttaat tccccagcac tttgggggga 360
gggggccagg gtgggggngg ggtttgcttt gagggncag ggggggtttcc aggacttggc 420
cggggggggg 429
```

<210> 2830

<211> 476

<212> DNA

<213> Homo sapiens



<220>  
<223> Genbank Accession No. R38280

<220>  
<221> unsure  
<222> (1)..(476)  
<223> n = a or c or g or t

<400> 2830  
tttttttttt tttttttttt taagtgtgga aatgttttatt aactngtggn ggaaactgaa 60  
ctgaanccaa cctgatcacc tcctcagaga ctcagcattg tgaattgccc ctacagggtca 120  
tttttataca gcatgaagta gccctgcacc tgggaagact gatctgggtt gtagctcgaa 180  
ggacatgttc tgcaaagtcc tcagctaagg aaggctcctgc cctggataga acctctggaa 240  
catctgggtc agctgccagt gtgagcagta gccacgtac tccttcaggt ccaactcgccc 300  
cgggntatca gggcaggggtc agcctgtcaa cgtgggttggg ggtcatgaac acgatgcggg 360  
gntcgggtng gaagccacac catccnaggc atttagcagt ccacttnagg gttaggcnac 420  
ctagggcttt ggnactttan ttgggggtntt cacagccnag tttcgantta ggnaag 476

<210> 2831  
<211> 304  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R38511

<220>  
<221> unsure  
<222> (1)..(304)  
<223> n = a or c or g or t

<400> 2831  
tttttttttt ttttttctta gtatttaaatt ttatttttaa atgttaaaaa catgattagg 60  
naaaaaattcc cactctaccc atccccccaa tatctataga acaggattca gagcagtatt 120  
tgtcaatggt tgcctaggat gatcaggatg tttgaaccac tgggagtttt ctttaaactg 180  
tgtatttctg ggtctactcc agatctacct aatcagaatc tctgaggggtg gngtctacaa 240  
ctgattttta aaaaacgntc ccgggggattg tttttatact aaaatttgag agctactggg 300  
ttta 304

<210> 2832  
<211> 401  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R38709

<220>  
<221> unsure  
<222> (1)..(401)  
<223> n = a or c or g or t

<400> 2832  
tttttttttt tttttttgat ttctcaacat caaagtttaa ttattacaaa atagttcaag 60  
caacatgata tgantttcaa aaactgtatg ttgcttngct tcctngtttt gctccaacac 120  
taatcatgct gaggtttttg aagcacagct atgactaggg caggcactct tgatttcagt 180  
cacaaaaacc cttcttggtg gaacaatact tggtcttttc agaagaaaag caattttacc 240  
ttttctatct ctattatgaa aaacagagct aaacaatttt tgtattttta gtagagacag 300  
ggncccacca cgctggccac gntgggtctc ganctccttt caagntgttc tgccctgccc 360  
ggcctnccaa agtgccgggg nctacaggat ntgaggnac c 401



<210> 2833  
<211> 399  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R39191

<220>  
<221> unsure  
<222> (1)..(399)  
<223> n = a or c or g or t

<400> 2833  
tttttttttt ttttttcaat caagntttta atgaaaagat cataaaataa cagtttctta 60  
tccgctgtac atttaagact gcacacttct gaatggagag atcagtcgtt ggtgaattgc 120  
ttttctatga cactgggcag ctntntagct caagctctga cctganttta tacaaactct 180  
caaggggacat gaactcaatn tgacaagtga cagcggcggt ggccagtaca ggagtgcgat 240  
cccggntntcc ctccccctt ntgggaaggc cataaaacaa aacatgatcc ctnttccagt 300  
tccaattaaa caaaacagct ntaacccnt ccctncccn tcccnttcga gggnttttgc 360  
gaggaattga gccagtgcc aacctggggg tccccccg 399

<210> 2834  
<211> 347  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R39234

<220>  
<221> unsure  
<222> (1)..(347)  
<223> n = a or c or g or t

<400> 2834  
tttttttttt caaggggaag atgaccgnt ttttattaaa ggtaaacacc aacggaaaga 60  
attgagaagg aatacacaaa agganggggg agggacacaa agtcaccact tnaggagggtg 120  
gaagggcggc acatcagtaa aagaacctca ggacagccac atgctccatg ccctgggttg 180  
gggaagaggg agagaaaagc gccattgata gcttgagct cgtagaagg tctnaagccc 240  
ctgaacctaa caccagagcc acaagccctg cccctgaggn ttcacacant actacacaan 300  
tagacacacn taacacacac aagacntttt gaaggcaaca cccgaga 347

<210> 2835  
<211> 331  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R39238

<400> 2835  
tttttttttt gtaaagacag atatatttat ttcatatgac agcacgtttc acaggatatg 60  
tacagaatgt ctgtgtacca ctgactttaa tactgtactt ctataaagtt tatagttata 120  
aatattgtat gccacataag caataaaatt cttacatata aacagcaatc taatatagag 180  
aacacagagt tcacaaagag atccttagtg tctaacttct gctctgctt taacagaact 240  
agtaaataatt taataatata tagggtaatg gctagttatt tgcagcatac ctttaacttt 300  
cataactttg tgcattttca gcaacttgcc c 331

<210> 2836



<211> 396  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R39390

<220>  
<221> unsure  
<222> (1)..(396)  
<223> n = a or c or g or t

<400> 2836  
ctgaaactgt cggaatatat gggctcttgaa attcagaaga tgatagtcac tcttcccata 60  
tttataggct attaaggcaa gggatatctt aaacatcata ttactttatt tagatttcta 120  
ctactccaat tattaatggt atgtatttct cattgtttta cttcttcatg gtattatgaa 180  
gactatatag atgattcaac caagcctgca aatctccctc ttgtgggaat tccactggga 240  
cccaatctgt tttccatttc cattgcaata ctactaaagc catacaatat caaggcaccc 300  
tccctctagg gtccggggga cttatcacag gaggaggcag ggcatgttag ggttttaggg 360  
actgggtttc ggggggggtcg agtgtagggg gnaaac 396

<210> 2837  
<211> 262  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R39610

<220>  
<221> unsure  
<222> (1)..(262)  
<223> n = a or c or g or t

<400> 2837  
tttttttttt tgcattgggt aaccctttat ttttatttaa caagtacatt tggaatgaag 60  
ataaggcaac aatggcaaaa tttctataat gttgctagca ttttccaag gtaaagccag 120  
ggaacaaact tgtgtccttt ctataagaac ttctaagtga tgtccctct aactccatgg 180  
acagacacta gtggtngtga agttcataaa gttttgaagg tggcaaacag cttattttgt 240  
ccttatcat aattgntta ca 262

<210> 2838  
<211> 450  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R40057

<220>  
<221> unsure  
<222> (1)..(450)  
<223> n = a or c or g or t

<400> 2838  
ttttttttgt tttccaagtt cttttttatt caaatgaatc agaactgcaa tctgcacatg 60  
aaaagacctg gggggaatgc ctacatctgg aatttcatta catcaacgtt aaattttgtc 120  
cgaccagttc ttcattgctg atcacttttg ataatgacag atccaacatg aaactcctga 180  
agcaaatgaa tatttacctt gtgctttcat gcaaatttag ggaccaaact caaagggtttc 240  
atccatgctg ggacaccaga tctaaggaat tgtgacagg atcttctcat atttcatttt 300  
aggaacactt gatactagggt ctggatggat actcatgtta ggctggcact ccaattaatg 360



tttatcctan tggcaacagg aaaactctgg ttaaactggt acaccgtaat tgggcatctg 420  
gtttaaaaac aactccnctt ttggaacgga 450

<210> 2839  
<211> 235  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R40254

<400> 2839  
tttttttttca agaatacataa agtttactgt ttctttttcca tcatttggca catatccaag 60  
gcacattaga aaattagaaa tcataaatta cttttagtagaa aaataatccc tcccttcctt 120  
ctgtacatac acaagtattt ccaagaacat ggacaaaacc atttccttat cacaagggtca 180  
tttgaaaacg gactcaggac aaacccatat acgtgtagct ctaggccaat aacat 235

<210> 2840  
<211> 330  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R40395

<220>  
<221> unsure  
<222> (1)..(330)  
<223> n = a or c or g or t

<400> 2840  
ttttttttttt acggtagcaa aggaaganct ttattcagga ggcgggggct ctgggctggc 60  
antngggnat gcaggagagac cctggncagt aggcacccag caggatggca ttgatgtgct 120  
ccagggtcag gttgctgaag accatgttga gatgctgtat cccgtgcagg gcagcagggtg 180  
cacaggctgt ggctggcggc cctgccacan gccacagagc tcggtgctgc gggtcgccac 240  
cgtgtcatca ccacctcat agagcacacc cacagggtcc gtgtagggga agccgtggtc 300  
gtagatgtag gtncggggcg tgggcaggcc 330

<210> 2841  
<211> 231  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R40492

<220>  
<221> unsure  
<222> (1)..(231)  
<223> n = a or c or g or t

<400> 2841  
ttttttttttt attcctgaaa aaaagatatt aatagtttga taaggattgc attgaatctg 60  
ctgattgctt tagatagttt ggacatctgt aacaatatta agcattccaa tttggaaaca 120  
caggatgcct ttctatttat ctgtgtctta tttaatcagt atataagtnt tcagtnata 180  
ggnctttcaa ctccntgggt aagtttatca ctaactgttt tattatttcc g 231

<210> 2842  
<211> 291  
<212> DNA  
<213> Homo sapiens



<220>  
<223> Genbank Accession No. R40556

<220>  
<221> unsure  
<222> (1)..(291)  
<223> n = a or c or g or t

<400> 2842  
tttttttttt tttttttttt ttcaccaaac taacatttat ttagctttgt tccctcccat 60  
ccaagactgc tgatctctaa acaagcatca aaaccggaag ctcatataca tcagagtga 120  
cttcaataag gtgaacacta caatgatgta caattacatc ctaataattc aatgcccaag 180  
agccctgtag gaactnttgc aaggcccagg gnttntcaca gtatggcaaa tggcactngg 240  
gaaaatcatt acctntttng gtccccctta ttttgggggg gggttaacat g 291

<210> 2843  
<211> 309  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R40899

<220>  
<221> unsure  
<222> (1)..(309)  
<223> n = a or c or g or t

<400> 2843  
tttttttttt tacaaattaa tatattttga actttatttc tccacagagc ctgtataatt 60  
ataacagata tatttctact tacaaagttt aaacaatatg taatacaacc tttttaaatc 120  
tgtgataata ccatctaaaa ttttacaagn aataaggatg ggctttcttt gaaagttaca 180  
aggggaagggn aatttgaaat actacataca ttaggaatgg ggggaccata gcagggattc 240  
ggcgtggcat atccatttta ttatcaggaa ttatctggta ggnatttgcg gggttacact 300  
tactgaggg 309

<210> 2844  
<211> 333  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R40946

<220>  
<221> unsure  
<222> (1)..(333)  
<223> n = a or c or g or t

<400> 2844  
tttttttttc aggttttaaat tttctataga ctttattaca cattattatg ttacaagaca 60  
aatgcagata attcttaatt tatcaaattt gtgagcttaa ttaacaaaaa tatttgaccc 120  
tcaccagaaa aacagataac tctaaatcta ctctgnaaaa tctaataaat tgcgaagtat 180  
tacctatttg ggggactatg tattatatca naggtaaagn ctactattct cacaggaaca 240  
tatggggggg cattgggcag nccaaccaat aatgganggt aaatattcta atatttgggg 300  
gnaaatactg nggaaaaact ataaattgtc cgg 333

<210> 2845  
<211> 464  
<212> DNA



<213> Homo sapiens

<220>

<223> Genbank Accession No. R42241

<220>

<221> unsure

<222> (1)..(464)

<223> n = a or c or g or t

<400> 2845

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tttttttttt ttttgaaaac agaattattt attgcataca gcatgggact gtgatcaacc 60
tggnecatcaa atgccgcgat ggctgacagg gccagggcgg cgggagtgct gggaagccca 120
gtacacgtgc tccctctctg tgggactccg ggatccacgg ggcggatggt tctntgagtt 180
gcgagttggt cctgtttgtc ttccagcccc cagtcctccc cggccactct gattagccag 240
cctagggtag ggcctggcat aaagtccacac aggcaaacc cagaagaagg aaaaagggca 300
cctgcatgaa caaagagttg gggtgcagag gntgcaccgg ggtaagactt cttcatgca 360
gttnggagtc cncatgtn gggacatcag gagatgncac cncacagaat tggtnctag 420
gttttntctg gttttggccc agagaggctn attcccattt tttt 464

```

<210> 2846

<211> 266

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R43166

<220>

<221> unsure

<222> (1)..(266)

<223> n = a or c or g or t

<400> 2846

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tttttttttt tttttttttt tcttnaccaaa gactgttttt attttaaata tacttggaat 60
aggtgaatat taatctaagc attttcctat cactttttaa attttatact atgtactttg 120
tattaaatag tacagtagtt tcagtaagac atgtaaaatt tgccatttta accaccttaa 180
ngtgtacaat tcagngacat ttattatatt tacaatgttg tgcaaccatc accactaatt 240
catcaaattt taataatctt ttaatt 266

```

<210> 2847

<211> 436

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R43174

<400> 2847

```

tttttttttt ttttttagtga gaaggatttt tatggtaaatt gaggttttca agtattccaa 60
gactgatttg atagtgtatt ctcaaaaaaa agccctacac atcatatcac tccagtttaa 120
acagtgcttt gatgcttcat gatgtccaca tttaggggtca gcattcattg ttcagctaag 180
aacactgggt cctcgggaata tggcaagcgg ttgaaataat ggcctcagtt tctatggcat 240
gggtgcaaat cggctctgta gagctcacag taaagagctt tgtgaaacac tgtgccaatc 300
agcagttttc ctttgtacac agaggcaact gtactgcctt gcaacactgt gccattttct 360
gcataaacct gtgtcacttt aggttcttct gtttaggaatg ttctgggttc gaaggcacct 420
ctgattgcag gagggt 436

```

<210> 2848

<211> 330

<212> DNA



<213> Homo sapiens

<220>

<223> Genbank Accession No. R43347

<220>

<221> unsure

<222> (1)..(330)

<223> n = a or c or g or t

<400> 2848

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tttttttttt tttttttggc tagaattgca tcgtaacagt gtggtcacac tggntaagaa 60
atgcagattg gcaatcatgt acatctctga ttaaaacaac actcacataa ccaacacaat 120
ttgctaggcc aaagtcttca cgggcaatcc ctgggggtggg agtctgggat ggggtggata 180
atgaaggata cctgggggtg cagaagtggg gtgggaatcc ctggggcatc agtccacagg 240
aggttggggc cagcgatggc ttcaggggtg atatttccaa tatatatcag ccctgggcac 300
ttttcgccct gctgctcaca gcatggctct 330
```

<210> 2849

<211> 235

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R43365

<400> 2849

```
tttttttttg ggttaatact ttttaattaca tgattgtaat tatacaattt ccactatttcg 60
atatttttga taaaaccagt tacaaccac aagattttca aatgtgacaa tatgtatcaa 120
actacataca tatgcaaagt ttacacgccca ttaggaagct ttatcttaaa aataccttca 180
ggaaaataaa cattcattca accagttctc ttgggcttta aaaaatatga ttagg 235
```

<210> 2850

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R43799

<220>

<221> unsure

<222> (1)..(427)

<223> n = a or c or g or t

<400> 2850

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tttttttttt tttttttaag cacatgggag gagtgcattt attcacaata ggtaaaataa 60
acataattaa tttttaaaag gagaacaaat gaaattaaga tagataattg caataatcaa 120
taatattgtt ggtttaattc ataaattaaa gttcaagcct gatgccataa ctcatagggtc 180
ttatatttat tttncctta tcctgttaaa agatgtgtga gggcagcccg aggatataat 240
ttttgcctat tcttttctca tccatgaggg catggaaata tcagncccta ccgaggtaat 300
gtgggggggca aatctatttc cagtttaaaa cttacngtgg atttaggac agacggatgg 360
tattatttca caatatattgt ggccacaata caccggggg gccattatcc aatggggggc 420
aatccc 427
```

<210> 2851

<211> 482

<212> DNA

<213> Homo sapiens

<220>



<223> Genbank Accession No. R43910

<220>

<221> unsure

<222> (1)..(482)

<223> n = a or c or g or t

<400> 2851

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tttttttttt ttttgggtgtc taatactttt acttcccagc agcataatac cactttgggtc 60
aggttgaacc actgcacaat tttgcagctc ttccagaaaa ataataaaaa caattggaaa 120
gacatgatgt acatgcaaat ggtgagaaaa tgatactatt gtccaatcct ttcccgtaaa 180
tgtaaaatat ccttagttca tctccaaact gtgtatttat tataagccct tacatcaggg 240
attttgtttc tttcagtttt tgtagcacca aatagacaca gcggctaaca agaaataaat 300
ctgaaaagtc actgaaatat ttatcacatg tcaggaaatt ttctgggtctg tacctttaac 360
catgttcctg ggcttcacat attcttctta agngtaagct ataacataag gttgagttcc 420
caccctgtgt tggtaccgn tgtggtttgt ttacctggat aatactttgt taatatacctt 480
tg
```

<210> 2852

<211> 459

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R43952

<220>

<221> unsure

<222> (1)..(459)

<223> n = a or c or g or t

<400> 2852

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tttttttttg aggtttcaac ttaacattta tttgcacact ccaggctcact gctgagcccc 60
caaaacccac agcctagtaa caccaacttc actttcaagg accgcagaga tagaccaact 120
atataaatct tgtggaaca tagtaatttg ggtgaggaaa ctatgacgct agaggctttg 180
ggatgaatat tttgcataag caaaagttca gaagcttгна aaatatagtc agcctacaaa 240
tctcaaattt cacctggata accgtaggcc cttagccacc atgccttcca gctctctcaa 300
ctcccttgcc tctagtttac tctcttcccc atttccatac actttgtagg gggagcattt 360
taggcaaagc tatttcaaaa gcgtggaaaa gtccaactga tccaatnaaa tttactcagg 420
aaatttacac taacggggtg gcttccaaat tttgaaatt 459
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<210> 2853

<211> 391

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R44025

<220>

<221> unsure

<222> (1)..(391)

<223> n = a or c or g or t

<400> 2853

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tttttttttt cctgagaggt aaaaatttat tgatttctat catatcagca tgttatgata 60
tggtcacgcc tgctcataca gctgacttct tagagccaaa agagaatttt ttttcctttt 120
aaaaatacat ttgttcagca ggaaaaaaca ttttaaaaac aagcattttc atattaagtg 180
gaaattaaaa acaatggctt tcccccgcc aactcatgag gantagggct ggtcagcaat 240
agatctctga gtgcttccaa tttgttttca ggctctgtc cccagtctgt tccttgtctt 300
ccacagaaaag tagttccagg gggaaaaaga aattaggaat ctcacaaaa cagcagccta 360
```



aatacagata ggaaaattaa gaggtagaca c

391

<210> 2854

<211> 422

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R44479

<220>

<221> unsure

<222> (1) .. (422)

<223> n = a or c or g or t

<400> 2854

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tttttttttt tcaagaggct ttttccgttt tatttctttg ggaaaggaaa acaaaaagtc 60
tttccatcac atatggtaga gatatatatt tatatatatt tatatataat tccttttgtg 120
gttggacgtc ccaaagctga gtctgttcat atttttttct tactaatgcc 180
ttctcttctc cctgccccctg tggcctaggc ccagggttct aggggcaggt acagtgaggg 240
gtgaatggga atggggcagt gggtcgccag gatgccctcc caccagctc agagacctgg 300
gtgagggacc acccaggaag gggctgtgca ggaggggtta ggagggccac acagaggggg 360
gcactcatgt tttttgtngg ggggatgcac agcttcattt aaacagtcac cagtcntggg 420
ga 422
```

<210> 2855

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R44538

<220>

<221> unsure

<222> (1) .. (425)

<223> n = a or c or g or t

<400> 2855

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tttttttttt ttacaatttt tattgtgata aaaacacata aaattttacc tttcacatac 60
tttgtgtgta ccgaagagta ttgttaacta taggcatatt tttatacaac aaatctcaaa 120
aagcttttcc atcttgctg gctgacactc aataccatt gaacaactca ttttctcctc 180
caccagcttg tgggcaaata ccgcagtact ttgttcttct gagtttgacg ttggataccc 240
catataagtg ggaaatgggg tgtatttgtc ctttcgggaa ctgggtttat ttcacttagg 300
cataacgtcc atgtttagg catagggcag gaattttgtt tttangggct aaatggatat 360
tggcattgta tggnatataa tggcantttg ttttaccnt tcatnggtca ngggggcatt 420
tactt 425
```

<210> 2856

<211> 475

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R44617

<220>

<221> unsure

<222> (1) .. (475)

<223> n = a or c or g or t



<400> 2856  
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 cccttccctt cctttccctt tccagtcttt tccatactgt tccnccctcc gccccacccc 120  
 aggtctctgc ctagccctgc cctctggggt tcaactgcgt ggtaggccc ccaaaaaagc 180  
 ctaggaaagg agactggaga gggctggctg aggggtgggt gggcgtctct ncacattttt 240  
 ctgtcctcta agcctggggt ggaggagaga ggcaggcacc aggagcagg agaggttagag 300  
 agntacggcc ccaccggccc accctnccca agtaactttc acagtnttcc ccagccctgg 360  
 ntgccctttg cggcccctac cccagnccctg nccctagggt tgtntctgta ggtnttcagn 420  
 aattttattga acntggtaan caattaaaga tttcaagggt tttttggcca tgggg 475

<210> 2857

<211> 358

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R44761

<400> 2857  
 tttttttttt ttttttacia aaggaaaaaa ttttttgttt gaaaatcttt gctacatgtc 60  
 attatttttg ccactgtaaa gcttagcaca gatgccagca atacagaaat ggccaacaag 120  
 aaaacaaaac agtcaaaaat aaaaccctga aggaaaagca aaaacaaaac cccagagca 180  
 tcttctcgct atcctccctt tccccaaaag ccctataata actgtacaat attatagtct 240  
 tgatcacatt taaaaagtcg attattaaaa aacaagggtt ccattgggaa actcaacttt 300  
 ttgggtttcgt aaattgtgga tataaatata tatgtatact gtaagtgtgg cacatggg 358

<210> 2858

<211> 281

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R44793

<400> 2858  
 tttttttttt catcacagta tttaaacaat taggaatttt actttatttc agaataagtt 60  
 tacagttgaa aaatgattat ttactaaagc cacattattc atacagacaa aactttttata 120  
 gcaaaaacctt ggtacatgag cattaataat ttgaatacta tatggatata gaagatattt 180  
 aaaaaaatgga aacaatgtat tccaaaggct gtaagaggca caatatatat gcttgtactg 240  
 ggccctgcaag gcattatact ataattcatt aaatatgatc c 281

<210> 2859

<211> 331

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R44817

<400> 2859  
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 aggagcattg gatttgggtg gaacgttttg aaccctagct gtcacgtgcc acctgcggga 120  
 tctagaccag tgacttctca gaactgccat ttcctcatct ggtagacagg atggtaagcc 180  
 ctgtccttgc cactccacgt atgggcagtg cagatgaaat gagatcacag aggggaagca 240  
 attggcaggc tggaaagtgc tgacaaatgg aaggggttgt gtcaccaccc tcagctgagg 300  
 tagtaccaag gtccaagctc ctgcccctcc c 331

<210> 2860

<211> 325

<212> DNA

<213> Homo sapiens



<220>  
<223> Genbank Accession No. R44839

<220>  
<221> unsure  
<222> (1)..(325)  
<223> n = a or c or g or t

<400> 2860  
ttttttttttt ggggtgtgaac acgcatttat ttacacattg tcatcggtag gcacataccc 60  
agcccagccc gttgaaggga cagatctcag gctgtcacc atggaacctg cagacccttc 120  
cctcctccag aacccttgaa gggaanctg aggagaacca ggnnttttag gcttctgttc 180  
aagagctaag aactaaattt tatgccttca tctgatttct ttccaaaaag tccatttcat 240  
taagtattca gacttcttag ctccatccca ttcatacttt tngctctcct actaccacc 300  
caagattggt aataataaca ataata 325

<210> 2861  
<211> 235  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R44896

<220>  
<221> unsure  
<222> (1)..(235)  
<223> n = a or c or g or t

<400> 2861  
tttttttttg cagtaacagc tttaatctgt ggtggcccct gccctacctg catccaggca 60  
gaagagccgt ttctcgggga attaaagcag gaggntttcc cacactgtct cctgggagtc 120  
catgcttaca gtgacagcac tgctgagttg gtgccatgtc accagggctg ggcctgggca 180  
cagagaggca gggtgccagt ctttatatat tatacatata tatatatata tatat 235

<210> 2862  
<211> 168  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R45480

<400> 2862  
ttttttttttt tttttttttt tttgaggctc acaaagaggc ctttatttat ctagctcaaa 60  
gtagacacta tcacaatctt gtttggtact ctttttacta aaatagttca aatcaatggt 120  
tttaccacac tatcaaaaag ttctatttct tcttgtctcc ccacggtc 168

<210> 2863  
<211> 426  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R45569

<220>  
<221> unsure  
<222> (1)..(417)  
<223> n = a or c or g or t



<400> 2863  
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 cgcatttttg agctccagac cttctaaaca ttttaaacag gctatcgaag aggatgtaac 120  
 agaaccctat ttcagaaacc taaggntcag ggaggaagga acactgaccg gtttttctgg 180  
 gatntttctg tgggggcaac agggatgaac aaaagaaatg ttagcatgtc agagcatatg 240  
 acaagtgagg ggagacagag gtaggaagag ggttttctag ccacaaggct aatgcatttg 300  
 tgttcaaaga gaagtctggg gcaaaggagg ggaaaccccc cctccccctt naaaaaacia 360  
 aaacaaaaaa cccntttcaa gggacaaaag ggtttttcnt acaaccccg tttcnaaaag 420  
 ttaaaa 426

<210> 2864  
 <211> 319  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R45656

<220>  
 <221> unsure  
 <222> (1)..(319)  
 <223> n = a or c or g or t

<400> 2864  
 ttttttttca tggacaggat tttattaaaa ttgtacatag atctcatatt taaattaaaa 60  
 aatggacttt ttttctagta tcaaaatagt tatttttaaa ataccttgaa aaactttaat 120  
 acaattttta atatattaaa tattcacctg aactctcagc catttatctc ccattctctc 180  
 ttgctagaat cttgccttac catcactatc attcttttgt ttttttttcc tttttgggca 240  
 tctttaatgc ttatcccagg aaaaggcatt aaaaataaaa tatttttctt taaggctccac 300  
 aatttaaaaa aaaaangga 319

<210> 2865  
 <211> 229  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R45698

<400> 2865  
 tttttttttt ttttttcatt ataaaagtca gtttattttc cctttctgtg tttcgtattt 60  
 tccctttttg tcagtaaag agcaatacac tgactggaaa tctgcatgat taaataacat 120  
 taacaagtgc ataaacacac cccatattcag agtataaagc aagagggtga aaaatatccc 180  
 ctaaccgaat gccaaattag ggtatccctc aaaattgcac attctccct 229

<210> 2866  
 <211> 330  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R45994

<220>  
 <221> unsure  
 <222> (1)..(330)  
 <223> n = a or c or g or t

<400> 2866  
 tttttttttt tttggtgtgg caacgnttta attctgtggc caggctagcc gtctccaagg 60



```

cctggtggac agcacgtcac cagaggtctgc cgcagagcag gcaggggtcag cccatcatagt 120
aggagtgcag gcaaaggcgg gggctctgaa gtggctgctg gagggcaagtg accccgggct 180
gggagtnctc agtagccntc gttagcccag gtnacctcgt agtcggggta cttggctttg 240
atcttctcag ttgaaatngc gtgctgggca ggaccatagg ccttgatggt ggatcctggg 300
ggcctgaggg gccagaggg acgcancgtg
330

```

```

<210> 2867
<211> 432
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R46079

```

```

<220>
<221> unsure
<222> (1)..(432)
<223> n = a or c or g or t

```

```

<400> 2867
tttttttttaa tgagtaatga attatttttaa cttttatttg attattttca tttacagttc 60
tggcactgac acttttttta aaaaaagatt ttaattttat gtaaagattg aacttcaata 120
aaataactta aaaaacattt acatgtatat cactaaatct ccataaaata tacaatactt 180
ttgatacaga cataggctag ggatgacttt gaaggggaaat gggtagatat tcataatttt 240
taagaggata tcccatatat cggcttgtgg ggggaataaat acttnatatt ggaatttgnc 300
cagggacatc tggaggtatt taaatactat tattaacctg gcactccggg aaatttaaaa 360
tattacnggt ttgggaataa ccttntattt tttaaagggc cttaaaactg gtggggttgg 420
nttttatccg gg
432

```

```

<210> 2868
<211> 301
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R46337

```

```

<220>
<221> unsure
<222> (1)..(301)
<223> n = a or c or g or t

```

```

<400> 2868
ccagttccac ttttttttta tttaaataac cgaagcaaca gncgtggcac agcagagggg 60
agntgggttg gggcgtntga gaggtggcag cagtntggcc tnatgggggg antaggtcac 120
agtgaactcc ccacacgntc ntcaggttca gcagtcattg ccataggntt gggagcacta 180
cggaggagcc atcagttagt gatgtctctc caagtcccag agaccttagg gacgggagct 240
aagtcagctc cctcaagtag cagggccagg ggcattcccag tcaggggggtc acggnngccc 300
c
301

```

```

<210> 2869
<211> 422
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R48307

```

```

<220>
<221> unsure
<222> (1)..(422)

```



<223> n = a or c or g or t

<400> 2869

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gntctagcag gaaaggagag ggagctttcc ccgaagtncc tcctggacca gccccaggct 60
cctgtgctgg tgaggccgag ggagagggat gtgggcatag gacacgtagc aggatttcca 120
ttttagaggc agccggacct gtcttcagggt cccttccttg gtgagagaca ggggtacgcc 180
agaggaagct gggcgctcgg cctctgtgca gcctcatctc ctgggaatct gagtattgaa 240
aactgggctt ttacttcgca cacctcagca cagactccca tgggaatcca gggtcacagc 300
aaagcagccc tggggccttc cattctcctt ttaaggcaag cattgacaat cctcacttca 360
ctgagttttt atttaaaact taggcaatga cctttaggaa aggcaagggc attgacctna 420
gc 422
```

<210> 2870

<211> 233

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R48447

<220>

<221> unsure

<222> (1) .. (233)

<223> n = a or c or g or t

<400> 2870

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gatgnacaag anttttttatt gcagcattgt ttgaagtagt aaaaaacaaa cctagaaata 60
acctaaattt ctgaaacaag gaggtgagct gaataaataa tgtatccatt ctaaggatac 120
tagtatatag ctataaaaaa taagttatat ataaatggat tganctggac agatgtccat 180
ggaaaaantg ttaaggtgaa aagngtctgt tattttaata tattacagta cgg 233
```

<210> 2871

<211> 246

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R48473

<220>

<221> unsure

<222> (1) .. (246)

<223> n = a or c or g or t

<400> 2871

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gaaaataaag cacattttatt aaggcaaagg ccaagctggc gcttcagaac atggccaagg 60
agcgtgaagg gattgctcca ctttaccacc actcagggca cccaggcccc aggggtcctg 120
gggccacccc aggccagcag aagctatgaa gnttacgcat aagcctggct ntcccttttc 180
acgaaggcct gggaagaggc tgcccagntc ccagagggtt gggggcccant cgccggccag 240
cagccc 246
```

<210> 2872

<211> 390

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R48540

<220>

<221> unsure



<222> (1)..(390)  
<223> n = a or c or g or t

<400> 2872  
ttttttgtgc aaatatTTTT tacttnattt gtctcctttc aggagcctca cagacatatc 60  
cagggaaaaa gatcggttaa taaatgcctt cagccatcgc aatgcaaaaa taaatatcaa 120  
tcctccagac gcagtagcag ccncgntggc nccaaagtcc caacggccac ggctaacaat 180  
tataaaagtg ttcagcgaga gtgttggcgt gagtgtgaat ggggtgtgcgc tgggggggcac 240  
gggtggagcgg tgtgcaaaat cggagttgca aaccatcggg caagggcatg gagtggctac 300  
ccgccgccga ctcagcgagg gcncttccc cgcacacant cacagcagag ttcgcactgg 360  
ggagngttaa aaaataaaca tttacaggtc 390

<210> 2873  
<211> 243  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R48589

<400> 2873  
tcattttcca tcttttttat tttaatcatt ttgtcaaaaa atctgaacat gtgtacataa 60  
atacttgatt tgttaaaaga atgtgtagca tagaaatccc tgagacacat tcaaaaatga 120  
cttgacatct tgacatgtat tcaatgcaag tattcaccaa actaaatacc aaggacttgg 180  
gtctcctttc ctgatatttg agggcatata aagctttaa aatatatata atatactata 240  
tat 243

<210> 2874  
<211> 330  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R48594

<220>  
<221> unsure  
<222> (1)..(330)  
<223> n = a or c or g or t

<400> 2874  
accacgggac nttttttaag tttattctag ggtgagtggg tgcccaaggg gggcagttga 60  
gtatggccga ggtcacctgg tggcaggggtg ctcagggatg gccacaggtt ctatagggcc 120  
ctgcagctgn aantctctag tcagttggga tgcttcacct tctgccccac cccaaggggt 180  
ttgggcaatn catggatgta gtagttttcg taattcgag ggatcagtga tgggcactga 240  
gcaggcttga ttctcacaca catatgcagt ggcctgggtc ttccaaccgt cggaggggtac 300  
tcaggaaagg cancttgccg gacaagaagc 330

<210> 2875  
<211> 273  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R48732

<220>  
<221> unsure  
<222> (1)..(273)  
<223> n = a or c or g or t



<400> 2875  
gaaaaaagaa atcactttta ttggcttggg tttctagcat tgctgggtgca gtggggggcct 60  
gagctggggg gcagtcggca ntntcantgg gcccgtttgg gactggggtg agccatcagg 120  
ccaccgtgag aaagaagcga ctaaaaggca ctctggggcc agccaagccc tgaaaggcca 180  
gtggcaggan agctgggcgn gacaagctct tcccaggnga caagagggac aaaccagggc 240  
atctaagctn tgctgcctgc gccctncccc gca 273

<210> 2876  
<211> 410  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R49035

<220>  
<221> unsure  
<222> (1)..(410)  
<223> n = a or c or g or t

<400> 2876  
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gatttggtgta cattcacttt ttaaaaaaat ggtttccata aaaggatttt tggttaattgc 120  
ctaattttta atacagtatt tatatacaaa acccacttca aactacttac tgtacaagag 180  
aaaagagaag catcagattg catgatttta gcaaataatg gaaatgtacg acacctatga 240  
actttgacca cagttgggca gattaaaggg aatgtaacat cacatcantg agatcttcan 300  
gacaaattta tttctatttt tccncctggc ctttgctaaa atgatgtttc tcttgggtgc 360  
ttggggaaat tttcagagga gttgttttagt atcattgcct gccaaatttt 410

<210> 2877  
<211> 479  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R49047

<400> 2877  
tttttttttt tttttcagtt tttatcatta tttattattt tattttttat atcccagccc 60  
tcccattgtaa gactgggtcat tttttagaat cctcagccat atcaaggata cagaaggggt 120  
ctaggataga gaccaatgaa gaaatttctt tggagaattg ttaagtgtct aattcagcct 180  
tcttggaaca aggagttact accttctact ttgaaaccca gtgaaaggaa cttcaaggaa 240  
gcccttcaga gagctttgaa atgtgtttcg tacaaccatt tagctgggga gccagagag 300  
ggctgtgcc atgcgatctc cctgaaattg tttttttcag gccagggatg tgagaatgtt 360  
tcctgaggac cagatgtgtg acactcagga gagagccggc ataaaatagc ccccagaggt 420  
aaagaaaacc tcaggtttga ggctgggtac taagggttag ggaaggttta caggctttt 479

<210> 2878  
<211> 360  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R49084

<220>  
<221> unsure  
<222> (1)..(360)  
<223> n = a or c or g or t

<400> 2878



tttttttttg actttatttag gnttattata aggagcagtg atgagatctt tatcagtcct 60  
 nantacaaag ctttcatctc cagccttctc catagctctg tggagggcag agagttgagg 120  
 gaaggaagaa tggagcttgg gagcatggga tcatgtatgt ataccaggaa agaaaacaca 180  
 cattctttat tctattgctt caangacagt ttgtgagant ggangataac aagcacagct 240  
 ggaccaggaa ggcagggcac acatngcagg tcaaggttcc tgctatccag ggaggtggcc 300  
 cagagcttcc ctggctgctc ctggnggaag cagantccaa gctgggcccc gatgaggccc 360

<210> 2879  
 <211> 454  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R49216

<220>  
 <221> unsure  
 <222> (1)..(454)  
 <223> n = a or c or g or t

<400> 2879  
 tttttttttc agaaaaagaa gtattttttt aaaaaagaga gaaaagaagg tgaggagttc 60  
 agtgtaacca ggtgactact ctgaactggg gactgagtca gcctctgacg ctgagctgaa 120  
 tgcccaatga caaacgtgac cagccgtgcg ngcgnnggca aggccaagga cacagagggc 180  
 cgaggcagng ngccaggntn tggcgcttcc agacgtttct actctctcat tttattcatg 240  
 gcgacttggg aaggaaatct gtctttaatg agcaaatgta aggctgcgtt ttctttgcga 300  
 agtcttccac aggattttca cggcaaaacc aatgaggaaa atgtcctttc aaagagaagg 360  
 accgagtntc ccgaggaaca ttttcttgg aaaggcgcgt gcacggggccg cccttttcga 420  
 gggcttcgta atgtggtttc aaagaacatt ggtt 454

<210> 2880  
 <211> 444  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R49395

<220>  
 <221> unsure  
 <222> (1)..(444)  
 <223> n = a or c or g or t

<400> 2880  
 tttttttttt tttttttttt ttgcatattt ataactgttt aataaactat tcaaaattag 60  
 catctaaaat aattatactt tggacacacg aaggcatata tttggngaga acattgtaat 120  
 tttcattttg taaactatat attctatatt caagtaataa cacagcattg cctatacaga 180  
 actgaggcct gcgctgagac ccaaaacttg tcttttctta aatgcaccac tacggggggc 240  
 tantangngg tctgtccaga tgctaagacc aggggacttc aaaatctcca tcttgcggct 300  
 ttacaggtct ccggggcagt taggancttt atctttcaga ggggtgggagg gggcctgaca 360  
 ggnngctttt ggaaaccttt tgtggcaact cctccggggg gcacattttg ggggnctcag 420  
 ttccaacca aatgcctttt ttna 444

<210> 2881  
 <211> 425  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R49459



[illegible]

425

324

395



<220>  
 <221> unsure  
 <222> (1) .. (445)  
 <223> n = a or c or g or t

<400> 2884  
 tttttttttt taatgacatg cttatacatt tattaatcat ttgtatgata aaatatatat 60  
 gaatttacat ctttaatatg acataaggaa ttataaggaa tattatgaag ttaaagaata 120  
 aaatataatt attgatacac taaaatccaa gattcattcc ttatttttaa aaataacaat 180  
 aaacaagagt aaaaggaaac ttatttaatt tgataaggcg tatgtaccag aaatcctgta 240  
 tcaaggcatc atactaatgg gtaaaatatt ttgttttaatt tgtaaacatt ttaaagtgtat 300  
 ttaaaaatgg agagggggtt ctccntgttg gccgggntgg gtcttgaact cccgggggtt 360  
 caggtgatct gcccnctcg ggccnccca aggtgcgggg gattacgggg ctggaccttg 420  
 tgnccggggc ctttaacggt taaat 445

<210> 2885  
 <211> 397  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R49708

<400> 2885  
 tttttttttt taatgatgtt catttattta aacgatctgt atgaatttgg tgatttttgtg 60  
 gatacgcccc tgacagacaa ggattcacag ccgacggaag tcaggaggagc tccctgcaaa 120  
 ttcttcatct ccgcggggcc tgcccgagcc ctgatcctgc agagccgtgg ggctgaggta 180  
 gccgcgggtt gtggtccagg gagtgcgtct ttctggatgc ggggcacctt catttcaccg 240  
 tagcaaccgg gtacaaaaag tagaagcgga tttttggaaa atgagtcatt aggtcccaaa 300  
 gagaacctat tgcaacatgg gactccataa cgttcttgag gatcatcctg aggaaaactga 360  
 tgttctctcg ttagacaaaa atggcacgat tttgctt 397

<210> 2886  
 <211> 392  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R50008

<220>  
 <221> unsure  
 <222> (1) .. (392)  
 <223> n = a or c or g or t

<400> 2886  
 gatccccctc ccttgccctgc tctgcactcg tgggtggggc ccgtgcgcgcg tttctccttg 60  
 gtagcgtgca cgggtgtgaa ctgggacact ggggagaaaag gggctttcat gtcgtttcct 120  
 tcctgctcct gctgcacagc tgccaggagt gctctgcctg gagtctgcag acctcagaga 180  
 ggtcccagca ctggctgtgg cttttcaggt gtaggcaggt gggctctgct tcccagattcc 240  
 ctgtgagcgc ccacctctg cgaaagaatt ttctggcttg cctgtgact gtgcagactc 300  
 tgggctcgag caaccgggg aacttcaccc tcagggggcc tcccacacct ttttccageg 360  
 agggagggtct nagttcccag ctttggggaa gg 392

<210> 2887  
 <211> 497  
 <212> DNA  
 <213> Homo sapiens

<220>



<223> Genbank Accession No. R50692

<220>

<221> unsure

<222> (1)..(497)

<223> n = a or c or g or t

<400> 2887

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gaagtttttg ttttaaaaaa caactggaaa gatgcagagc tactgagcct ttgccctgaa 60
tgaggagtag ggatgtcatt ctccaccaat aatggtcctt cttccctgac gttgctgaag 120
gagcccaagg ctctccatgc cttctacctt aagtgtttgt attttatttt aaattattta 180
ttctggagcc acagccccct tgcttatgag gttcttatgg agagtgagaa aggggaagga 240
aatagggcac catgggtcgg tggtttgtag ttctttcaaa gtcaggcact gggagctaga 300
ggagtctcaa gctccccctt ggaagaactg gtgccccctc cagtcctaatt ttttcttgcc 360
tgccccgctt tggggaattg cctcaccac ccaggctctg gacctgtggc aattaagggg 420
ttgttccttg gcgaagtttt tggtgggatg ttaaataatag taaaaggtn gttctgtctt 480
tttcaaaata aaaaatt                                     497
```

<210> 2888

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R51256

<220>

<221> unsure

<222> (1)..(381)

<223> n = a or c or g or t

<400> 2888

```
ttttttttat tttttgttga atttattaat aatctttata tatatttata tatgtatggg 60
ctttgagcaa agacaaaaga aatactctaa ctcacccctg atcatacagt tgttgtaaga 120
atcagctatt ctattatctt tccagcagca gaaagaccaa tgaataatac atttctttct 180
gtacagatta aaactccata catacggggc ttcactatgt acagaggaaa agaggggtcac 240
tttttcaact aggcaatggg acctttatat tacngggaat gtgaggctcat ttttttttct 300
ttaatctaag gtatatatac attcctaaca tatatggata taatttacct tgtacccttt 360
tattagntta atatataaac c                                     381
```

<210> 2889

<211> 371

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R51309

<220>

<221> unsure

<222> (1)..(371)

<223> n = a or c or g or t

<400> 2889

```
tttttttttt ttaaagttaa aacacctttt atttgaagaa atattgcttc tagnactttc 60
ctgaagccag aattgttcta taaaagtatc atggaatatt atacatgatt aaaaaacaga 120
gtatgcttcc taataacttg aaatcttttt acaaagcaca ttattcatga tcataaatat 180
gtttgttctg tcatccacc gatgatacac acatcaggca agcagctaatt ttgaacatat 240
gtacagagtc tatgataaag atttaaagtt accaaaaaga ttcaggctat aacatattaa 300
attttcttta aaagagttaa cntaaacac ttaaaggana acatagttaa tctaggcact 360
tggagttatc t                                     371
```



<210> 2890  
<211> 414  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R51831

<220>  
<221> unsure  
<222> (1)..(414)  
<223> n = a or c or g or t

<400> 2890  
tttttttttt ccatttttaa ttatttttatt gtatatttaa aaaccaaata aagcaataac 60  
tttaaagacc tcacacacac acagtataaa cacctgggta aggttttntt cgtgtccatg 120  
ttgacaccgg aactaccgtt aaagtgaag ttttgttttg tgttcctttg tgcagtttca 180  
ctcacatgta aacaagtcac ttggctatga tttgaccac gcccccccg ttagtttcgg 240  
gagggcagag gctctaccgg ctgtcacagc aaccggant cacagncaag ntaatgcccc 300  
gtgggtcctg accctgcaag cggggcatga cggtttcttg angcctagca gaggttggtt 360  
aactttcaca tncctcccc accccgtggg tcaactnttag gtttttgaga agtt 414

<210> 2891  
<211> 427  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R51908

<220>  
<221> unsure  
<222> (1)..(427)  
<223> n = a or c or g or t

<400> 2891  
tgttttagaa taaaaacntt cttttaatat tgtaaggggt actgcaggta tgccatgctg 60  
ccagttattn ctggggcaca aaacgcccc gtcagtcatt cggagggctg ggaaaacgca 120  
taaaactcata atttcagagc aagtagaact agtatttnca gtttnctttc ttggaaattg 180  
gcccgggaca tctccaacag tctacacatg tattgccatg gtacttgctc tgatgctctg 240  
aatgcctcgg gaactgtgtt caatatcatg gatttggtgg gtcctctaaa aggttttggt 300  
gttaacatgg caaggcaaac agcactggaa caatattgtc taaaactatg ggctggccaa 360  
ggtactggga tnccttcacn aatggaaacc caaatttacc aaaaacattg gcnttggttg 420  
gggggttt 427

<210> 2892  
<211> 456  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R52161

<220>  
<221> unsure  
<222> (1)..(456)  
<223> n = a or c or g or t

<400> 2892  
cagccaagag ttctctttat tccctttgat cctccccaa ggtgagggt taggcagctg 60



```

tagaacccca ggaaagaacg gaatccaggc aatctgttta gagacccccc actccaaatt 120
tattcctttc ctttccttcc cctaagatgt ttccagggcc ctctgggtgcc cacactgtcc 180
tcttccttcc anttgggggt ggggaaatcc ttccctgcgag gtcagggccat ttntntacaa 240
agtggcctga atgaggccag ggccctgagaa ggagccacca gntgggagga aaggggntcc 300
aagncttgct tttaacaccc ctggcaaaaac cccaccctn ccaagatttt tcacaaaagg 360
gtnaggaaat tcagggtacg gnaaccattc aatgggncaa ctttggaata tngcattttt 420
cctcagggnc tttggcagtt tccccggagg tttttt 456

```

<210> 2893

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R52649

<220>

<221> unsure

<222> (1)..(411)

<223> n = a or c or g or t

<400> 2893

```

tttttttttt gagaggttcc aatcaacatt tattgcctta ttctttttat ctcatcctt 60
tttgaatgtg tttatctcct aagattttat ctgtgatgga gatgggatgc ctgtgaatac 120
aaaagttgca gtggtggcac cagggtgggg ggggtgcggc ggggccacca tgggtctccc 180
tgagaggggg tgctgtctta ggtgccccaa gagggccctc ggcagcaagc gtgggggtgt 240
gcaaaaatac agctccctcg ggtgggcagg acacacgtgg cctcctggca gacagggtgc 300
tgggtgagcc cgctgctcct gattagtcac gaatggcacc tgggtctggg cgacagtcac 360
ccgcagnaag ccctgagctg gccaccatca cctgggggca gttgcttccc g 411

```

<210> 2894

<211> 598

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R52800

<220>

<221> unsure

<222> (1)..(598)

<223> n = a or c or g or t

<400> 2894

```

tttttttttt tgcaaggtaa aaggaatgta tttttatttt natttttttt tttttnacga 60
actagatgta aacctttacg tcacaactat gtcattttca ctttctgaaa agacacggac 120
ccggggacac agctgaaaac agtgggaggc cagatgctgg cgtcttccag gcgggaacgt 180
agccatgac actctagggc cgatgtctcc tggggctctc cggcagacaa gacagggtgca 240
ccgggtactg tgcaatccca gttttactta gagccacctc ttgtttgggg gggcattagt 300
cctcatttca tgccagattt tcaactagagg ctccctgttc ttccaaatca gttcatgagg 360
gtaagtaaca taccatattc caaagagagc tcccccaaga tgtnctggca taattcaaaa 420
aatttccgtc ccgggttcat tccnngcctt ntccgtgggc gttaatgggt ttntaggggc 480
ntttccnccg tggtgaattt gnactttggg agtaattatt gggcaggctn ccttttgggg 540
ttcttaagtn cgggacagtt tncggaggnt ccatcntgat ggggcncgag ttgcacca 598

```

<210> 2895

<211> 226

<212> DNA

<213> Homo sapiens

<220>



<223> Genbank Accession No. R52822

<220>

<221> unsure

<222> (1) .. (226)

<223> n = a or c or g or t

<400> 2895

```
tttttttagtt gtatatcata gaacctttat tatttatcct ctaaattttt tagaaactta 60
cataacgccc gtgctctagt tatgacacca tttatagaca tttaaaatgc atcttcattt 120
ataaatattt tacatttggn ccatagaaca gataatttta ctaaataata ctgtattttt 180
taaaacaggc tctgtatata ctttgaatat gtatatatta catata 226
```

<210> 2896

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R52949

<220>

<221> unsure

<222> (1) .. (379)

<223> n = a or c or g or t

<400> 2896

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cacttggtat aanttttatt tgcattgtgta aaaagtgtat ataacaggaa acctcttaaa 60
ataaaaaacat agtaaagttt taggaaaaat atgaatttag aaaatgggtt gctttttcag 120
atcacaaaaa tactgatata tgtgtactaa attaccttaa actggtgagg tgtagagaa 180
acatttttca aaaaacaaaa aaagttggag gttggaggag acacaaaatn tagangantg 240
anggtactga tatatgtcac acatgtttta aaatgaccac acagggcagg antctacaaa 300
nggattcaaa ttctttaaaa ttacaggnat tgctaggagg attcccctaa tnggtgttaa 360
tgggccatac ntaacnttc 379
```

<210> 2897

<211> 362

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R53044

<400> 2897

```
tttttttttt tttggagtaa gtagattctg agtttattgt taagatttct ttatttacag 60
tacaagtctc caaaagttca aggcagttat cttttaata acatgtcaat catataaaat 120
agctagaacc aaagtagaga aatatataca atacattaag tactttcaat atagtggcat 180
ttttcatatt aaattaaaaa aggctactat gatttacaat gtcatttccc tagtttaaaa 240
ttcaacatgt caaaagacat aatgtacatt ttttacaaaa ctgacacagc agtattaaaa 300
ctgctaatagc ttgtagtttt tattttttct ataatacact ggcacctgtg ttaccaaaaa 360
aa 362
```

<210> 2898

<211> 322

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R53109

<220>



<221> unsure  
<222> (1)..(322)  
<223> n = a or c or g or t

<400> 2898  
ttttaaaagg tcaatttttt tttatttggt ctgagaggga ggattcaccc agtggatcct 60  
tttccctaca ctctcccttc cccaatatt gaggtctctt cccaactact gcctattcag 120  
cattctctat ctaaccctcc ttccccttct acttcctata ctatcctacc cctggggccag 180  
cagtacccca aggccaggcc ctcagctgtg ggggcgtgtg ctgagcacca agcagaggga 240  
gctgagcccc gcgccanttt ctccagttct gaggcaggaca cagggtacca ggggtgacat 300  
cagagagctt ctgcagtgcc tc 322

<210> 2899  
<211> 279  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R53891

<220>  
<221> unsure  
<222> (1)..(270)  
<223> n = a or c or g or t

<400> 2899  
tttttagctt taaatatatt ttataattnt gaatcatctt gtattctatc agataatact 60  
tggaacaaaa tcttatttca atcagctcaa tctatacaag ttataagatg caacacaatg 120  
taaaccctat agtctacaga atatgcacta tttataactc attaactaaa gaaaagtcaa 180  
tgaagattac caaataggaa acacaaaagca ttctaaattt ttaaatactt ttagggtagc 240  
taaccagaaa ctacagaaat aaaatatgca cgacaaaaa 279

<210> 2900  
<211> 442  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R54416

<220>  
<221> unsure  
<222> (1)..(442)  
<223> n = a or c or g or t

<400> 2900  
ttttttttta atagagacaa gttctcgctg tgttgcccag gctgggtctcg aactcctagg 60  
ttcaagtgat cctcctgcct tgtcctgcc aagtgtggg attacaggca tgagcgccac 120  
gccagctga gattacatta ctttgagtgt ttaatttcac tatgacagga agtagcctaa 180  
tacatacttt tttgtgttaa ttttctggga ttcctcctgg attttttagtc ttcgtacctg 240  
agtacaacaa taaaggaaat cacttcttag gatacattaa aattacttct aaacttggcc 300  
ccccacacat ggaactgttt tcagtttgct atttttaatg ggcccatggc ttattttatat 360  
aggacatagg cataacactg gcttaacact ttatgggcct actgttcctc tttcttnggg 420  
atttatattnt taaaaagatt tt 442

<210> 2901  
<211> 364  
<212> DNA  
<213> Homo sapiens

<220>



<223> Genbank Accession No. R54614

<220>

<221> unsure

<222> (1) .. (364)

<223> n = a or c or g or t

<400> 2901

```
ccntgccaaa ctttattgtg attaaaattc cagagacagt accagctcca catacctcta 60
gccctgtctt tgcctagatt cccgagtgtc cttcaccccc atcttccaaa tcatctctgg 120
gtttcacggg gaagaaaaaa cctagggctg ctgtgaatgt gccctntcag gtccctgagg 180
ttggccccag ggtagancnn taaggagntc aggggaagagg gccttcctgc cttgacggnn 240
nangatcctg ggnngcaacg tttnggagca gaaagagaag tcgaggtagt gaaagggagt 300
caggccttgg gagggatgcc ccacaantcc agcagcntcg agtnttgacg attgcagagt 360
cagg                                                                 364
```

<210> 2902

<211> 397

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R54935

<220>

<221> unsure

<222> (1) .. (397)

<223> n = a or c or g or t

<400> 2902

```
ataattttta tagnaaattt tattcaacat acaacatttt ccagcaaaaa ggcaatatac 60
aggaagagtt ggtgtacact gctcccacag aaacaaccca aaaaataccg gaaaaggatg 120
aaaaataaga gtgatttgct gattctatatt tactgcactc aaaactagac acgcagctgg 180
cattagctcc aaaataaaaag gaaacggggc tgggaccgaa ataaaactac acacaatgan 240
tatcaacatc agtgaaattc acttgacagc tcacccaaca aaaagggnac ctctctcccg 300
gggcaaattg gtacatgttc attcattnaa tattacaatt ccttttttct tttttttttc 360
ttttttaact tttttttaca aggtcggccg gcttact                                                                 397
```

<210> 2903

<211> 292

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R55470

<400> 2903

```
gtggagcagg aggtttttatt gtaaagaggc cgattgtaca gagcaaagat tgttctgaca 60
cgggggggctg ggtggtggga cccagaggcc agagctgggt gaaggatgag ggggtggcatc 120
gccccatccag gcagtgggca gggcagggag gactaaacgg ctgcctccca gttcccttcc 180
ctgcccctca ttactgggta agagggagcc aggctatttc cacggatcca ggagaatata 240
gcaggagacc ctcaccaccc cacaccatgc cccaaggata cgggaggtgc cc                                                                 292
```

<210> 2904

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R56094



<220>  
<221> unsure  
<222> (1)..(440)  
<223> n = a or c or g or t

<400> 2904  
tttttttttt tttttttttc acttctggag tcattttattg aaaaaaaaagg gtgaaaaccc 60  
caaaccagag taaagtcaag gaacaaatat ctgctgtgcc agctgggtgc agggatagat 120  
ccactgaaga gtgggagagg aggtcagagc caccttcctc atcacccggt tcgagcagan 180  
tagatgagtg gagagagcca tgcaaaatca gcccctagna gantgcgagc ggcacccggg 240  
gaagatgcct gctgtacagt gaggagggtt ttagggtttt gagcatcccc atgagtccag 300  
tttttcacag gtagggggta cgagggtnta cctcagaggt cacgggcagc cttccacata 360  
ggggtagcag gccactgatg ttcattaccn tggtcatttc gtttttcnt cttttttccg 420  
tcatttgcnt ttaatttttt 440

<210> 2905  
<211> 390  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R56095

<220>  
<221> unsure  
<222> (1)..(390)  
<223> n = a or c or g or t

<400> 2905  
tttttttttt tttcaaaggc aaataaaaata agttttattgg gatgtaaccc catcataaat 60  
tgaggagcat ccatacaggc aagctataaa atctggaaaa tttaaataca attaaattct 120  
gcttttaaaa aggtgcctta agttaaccaa gcattttgat aacacattca aatttantat 180  
ataaaantag atgtatcctg ggagntntan tgangnaaca tgccatgtgt ataanttcag 240  
nantacgctt tttacacaan ggaactacaa aangttacaa ngacagcctt cggaaccac 300  
acttagggga aaagtgaggc cgagcagcct ttcacggcaa agcctccttc caaggagggtc 360  
tccccaanng cttccggaac cngccgggtt 390

<210> 2906  
<211> 364  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R56602

<400> 2906  
tttttttttg ctgttatgat tagatatatta ttgagcacca ggagagagtc agaacattag 60  
acttatagtg gaggagcaga actgaaccct ggcctgtgaa ataacaattt caattaaaag 120  
ctgtctggcc ctgaagaaaag agaaatgatc ctggatatag ctggtcctct gagctggcag 180  
agctgagcct ccctcgggtc ttctgggtggg caagatgcc aagttgaata gtgtctgtag 240  
ggcatgatga ccaagtccta gtgctatggg catcttccct ctggatattt ggagaggagt 300  
accagaagcc cccggcagag gatactagga agggcccaga gccaaatcca gcagctgggc 360  
ttac 364

<210> 2907  
<211> 371  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R56678



<220>  
 <221> unsure  
 <222> (1)..(371)  
 <223> n = a or c or g or t

<400> 2907  
 gtcaaatact gttctctgaa aaatgatgtc caaaaagtat tataatagga aaaaagcatt 60  
 aaatataata aactaattta agaagtgata aagtctccag atgcagtagc tcacactgta 120  
 atcacagtga ctcaggaggc tgaggtgaga ggattccttg aggccagggt tcgagaccaa 180  
 ccttgggcaa catagcaaga cccattttct taaaaaaaaa aaaaaaaaaa tttaaactta 240  
 gctgggtatg gtggcacatg cctatagtct cagctacttg tgaggctgag gcaggaggat 300  
 tctttgagcc caggggagttt gaggttacag tgagccacaa tcacaccatn cactngcact 360  
 ccagcctggg c 371

<210> 2908  
 <211> 365  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R56880

<220>  
 <221> unsure  
 <222> (1)..(365)  
 <223> n = a or c or g or t

<400> 2908  
 tttttttttt cgctgggagc agatgagttt attggggcaca tccctcactg aagggttgg 60  
 gtttggtccc cagcagtgcc tgttctgggg ccaggcctnc cagtcgtgtg cccaggctgt 120  
 ggtcctcagg aggcctgtc ttggagctca ggcacaggtc tgggtgcata ctctcgctg 180  
 ggggtgctgg ccggagcctt aggcaagnct tcaccagggc ggcccagggc ttcagcagcc 240  
 ctctgctccg acctcggggg ccgggtcctt cagcaggatc tggagcgccg caatgagctg 300  
 gtccagggtc acctgcgggt gctgcctggg gtttccgagt gcagcaccag gaacccggtg 360  
 aacag 365

<210> 2909  
 <211> 420  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R58974

<220>  
 <221> unsure  
 <222> (1)..(420)  
 <223> n = a or c or g or t

<400> 2909  
 tttttttttt ttttaacagag tctcactcca ttaccaggc tggagcaaga cttccactct 60  
 caaaaaacaa aaaaaacgtt ttaagctttt ttttaacaga gtaaaatggc ctttttaaaga 120  
 tatatcaatc aatcacagtg tactgccttt atttggatcc tgtttcaaata gaacaaacta 180  
 tcataaaatc aatcatagga agtggtaccac tgggaagggt gttcctaaag gagggaagct 240  
 atgcaaagtgt ggggcaagggt gaaatgcaaa ttctcagtgc cttctggctc aattttgcct 300  
 ctggaacctg gaaactgctg ttaaaaaaat aaaggactat ttttaggaat tgggggaaata 360  
 agganaacaa tggacctttt ttgaaaaatt ggggggaaatt taaaccctn ttttaatagt 420

<210> 2910



<211> 401  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R59093

<220>  
<221> unsure  
<222> (1)..(401)  
<223> n = a or c or g or t

<400> 2910  
tttttttttt gatgtttaac gtgtgtttta ttgttggttg caccagaaaa gtcctatgttc 60  
tatgttatgt cactgtacat actgtaaaaca agactgcatt aatattgttt tcttatgatt 120  
tggttcaatg actctagatt ttaaaaaata cattcacaaa ctaccttatg tttaaacaca 180  
atgattccct tttatttctt aactgtaccc aaaatccac aataaaaaaa tcattttaaag 240  
ctgtgtgttt caaacttatt acttaggaaa taaaaacaaa acaaaacata aaaacaaagn 300  
tcagtttgnc aacatanntt aaggaaggct tctgggttta aaataccacg gcggcantat 360  
aaggggcggg tgggncaatc acattcgggg aggtggaaat c 401

<210> 2911  
<211> 383  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R59221

<220>  
<221> unsure  
<222> (1)..(383)  
<223> n = a or c or g or t

<400> 2911  
tttttttttag gatggggtgt ctgagtgtct atgtgagggc aaggacaaca gtgcagtcca 60  
gaaacacaga aaatatgctt ttttgagct gagctctgtt ttgagatttc attttgttac 120  
tggaacagcg ttaatccata ccaaagtctt tggaacactg cagatttgct ttagaggtag 180  
ataaaacaga aatcatgcag ttaagtcaat tgaggaaaaa aaaagggatt tgttgtcttt 240  
acagaacatc atgactaaaa gttgatcctt tgctcttggg gcacatttaa gatttttacc 300  
tggtttgggn aatacccaag tcttccttgt ctctcaggna aaacacattt taanttcac 360  
ctgtactaac tacagatagg agg 383

<210> 2912  
<211> 536  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R59312

<220>  
<221> unsure  
<222> (1)..(536)  
<223> n = a or c or g or t

<400> 2912  
tttttttttag attcagatat ttaacgaata gtattgcatg gtacaatcat gcaggtttaa 60  
aataatagca attgagtcca taggagaaga cgacattctt gcttgacaag gtaggaacaa 120  
attcattata tttcaccag actaaaatta caaagtttgg gtgtgttaaag gcaagattta 180  
attgttgggg aaatttatcc gagccagcca ccacgacaaa agccaggctg accaaatcaa 240



```

atggattctt tacatcctcc aagtttcaga agaattcttga atatgggttag ccagaagata 300
tggtaaaattt gaccccaaac atttgcttga aggagtaagg tcttctaattg agtgaatgtc 360
aagagatcag cacataagta atagcttatt tatccttttag gtcacatcca tctgtggaat 420
caagcagcct tggcagtcca cntggtcagc tntctccctg gctcgaggct catgggccag 480
gtnttttagcc gtcttagggg tttaaaagcc ctcttttttt tttgggtggt ttagag 536

```

```

<210> 2913
<211> 423
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R59325

```

```

<400> 2913
tttttttttt tttttaacac aattttgcac cttatatatta ttatatactg tattcttata 60
acaaacaaaa tagctacaga aaagaaaatg ttatttagaa tatcaaattg aagagaaaat 120
atatttagta ttcattaaat ggaggtggat catcataaag gtcttcatcc tcatcgtctt 180
cacattgaaa aggttgagga gaaggaggaa aaggagagtt ggtcttgcta tctcaaggct 240
aatagaagca gaagagggtg aagcggaggc agggagaggc aggtacactc aatgtaactt 300
tacagaaata catcgtaatt tctgtctgaa tttttgcctt ctcattttct taaaaatggt 360
tctgtataat acaaatcctt ctttcactat ttgccctagt ttcagtgcc acatccttag 420
gaa 423

```

```

<210> 2914
<211> 354
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R59352

```

```

<220>
<221> unsure
<222> (1)..(354)
<223> n = a or c or g or t

```

```

<400> 2914
tctttttttt gggggcagca gttttccttt ttttaaactt aaataaattg ttacaaaata 60
gacttttagaa aataagttac aaattntagc aaaaggctcc cttccacagg caacttnccc 120
accggtgggg ctctgcatcc gcctctccct gngttgcaa tctggctgct gaggggtggcg 180
ctgagaagag cacggtgatg aggctggggg aaggaggtcc ttcaaggaca gggacgcgag 240
gaacacccca cccctcctt gggaaagcaa gccagatctg ggtccttttc acaaggggag 300
aggagaagat atggggatgc ccgancatatt tctgcagna aaatntggga gatc 354

```

```

<210> 2915
<211> 268
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R59722

```

```

<220>
<221> unsure
<222> (1)..(268)
<223> n = a or c or g or t

```

```

<400> 2915
tttttttttc tctctgaagc atgtttttat ttctctgtga tttggttttc tactttggta 60
cacatgagct gtggctgcat ttcacacaga agctgacaca tctcgcagga atgccccata 120

```



aaacagagcg caaacaatc acccagcagg ttcgcttcac ctgggctgtt actgctgaac 180  
 tccctacttc taagagcaca ggaagagnaa catcgctttg aatctacagg ataagcgagg 240  
 gtggggcgag cagcagccag gggctccc 268

<210> 2916  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R60368

<220>  
 <221> unsure  
 <222> (1)..(418)  
 <223> n = a or c or g or t

<400> 2916  
 cgtgtggctt ttccggatac caggaaaaca tactgctttg atgctttccc cagcattgac 60  
 aagatatcta aagtcacctc tctgtgtgtg gtcattcatg gtacagagga tgaggatcatc 120  
 gatttctccc atggcctagc gatgtacgag cgctgtcccc gagccgtgga gcccttttg 180  
 tntgaagggg ctgggcataa tgacatagag ctttatgcac aatacctaga aagactaaaa 240  
 cagttcatat ctcacgaact tcctaattcc tgaagacaac aacttgatct tacctcattt 300  
 actgtgaaca gaagagtcct ctgttttgca catgctttta ctgggtagct gtaaaggctt 360  
 gataaccatg gaagaagtgc ccaaccttta ggggtgttont aatcaaagag ctggatgg 418

<210> 2917  
 <211> 423  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R60512

<220>  
 <221> unsure  
 <222> (1)..(423)  
 <223> n = a or c or g or t

<400> 2917  
 tttttttttt taactcttgt caaaaagatt tattaactta aaatagaagt acttcaaata 60  
 cagacaaaat caactttcca ttcaagtttg aatgttcaat atacaagtat ggaaaagaaa 120  
 aaaaatctga atcttcatgt tgtaatttta ttttattttt ttacctttta aaaagttttt 180  
 ggcaactaaa ggttctgtaa agaataaggaa gtgacaattt aaaacacatg gaaattcttt 240  
 cctaactttt aagganfaat atataanggc ctggaaggca accaaaggta tgggaatacag 300  
 ctaataggaa nataaggnat ggtaattttt ttaaatttct ctctttatac atttcatcag 360  
 ggggtttaaac aaaacataaa attcccttaa aatggggggg nattantcgg gtgggatttt 420  
 ggg 423

<210> 2918  
 <211> 459  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R60959

<220>  
 <221> unsure  
 <222> (1)..(459)  
 <223> n = a or c or g or t



<400> 2918  
 tttttttttt tcatgtgaat aaaattttaat gttgtcataa attttataac aaagttaatc 60  
 tgacacattt aatnacnaca antgtgtaat atacaaatat acacaatcag acattgataa 120  
 taagcagttc acaccagtga ctgtaagagt ctttacttgt gttcagccaa gccaaactgct 180  
 tggatatatt ttctcccttc ttagtcgtta gttttccata cctacaataa ctatcagtgg 240  
 tgatgggctt ctctgaccat gtgaataatt taatcctcaa tgcacaggat acaggaaacc 300  
 cttgctggag gacagtgtgg gaggcaggag gaagggctgt tctccacttc cttccacctg 360  
 gaaacacctc tggcagatgg gattnggggg agnctctggc ctaacaggcc cttggggacc 420  
 taaaccactt tcagtgttgt ttccagtgga gtgttnggg 459

<210> 2919  
 <211> 476  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R61297

<220>  
 <221> unsure  
 <222> (1) .. (476)  
 <223> n = a or c or g or t

<400> 2919  
 tttttttttt ttgaatcagt caattttatt ccaattcttc acaatttaca ctcaatatgt 60  
 tgtttccaaa atgtaagtca ccctttatat aatagtttta ttatttcac tttcttttag 120  
 agttttttta aaatctttnc cttatgtttc ttcagtagaa gccagantct tgagttgccc 180  
 agttaggagc ctctgacctg ctattgtcat taagtttctt ctcaatattc atggccaaaa 240  
 tctagcttct aaaagaaagg cttttggtct tttcaatcac ttgctgatag ggtgagagta 300  
 cattgttacc ataaccacat gacctaattt aggaatcaat cttgggcac cagtcttggc 360  
 atttctaata acatttaca tccacctttc aggtttcatc gggagtcacg ttcaatttgt 420  
 ctgccaacat gttaatgctg atacacgggg ggntgtgacg gaagncccaa tttgga 476

<210> 2920  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R61374

<220>  
 <221> unsure  
 <222> (1) .. (434)  
 <223> n = a or c or g or t

<400> 2920  
 tttttttttt ttttttttac tttgttcttt cttttttatt tagtcacaac acatcagtac 60  
 aacagagggtc aaaccagtt cagtggaggt cgtttaacta cacctgctaa aagaataaac 120  
 ctgaaaaatg atattttata gcccaaatca aattaaataa atcaaagaga aggaggcagg 180  
 aaagcccttt taaatacctt ggcaaccaca gttccatgca ccaaaggaa aactcacata 240  
 aaantttcca gttaaaaagaa aatatgggca gtcccgggna aattagggtta tgcatttaac 300  
 agtttccact gtactacttc aattgaccac tcggcacacc atgatcactt atccatgttt 360  
 aacatttgtg aatttgagga tccgtgtgat taaaaaatc tttgtgttgc tgggggctgg 420  
 gtaaatgcgg gcgt 434

<210> 2921  
 <211> 286  
 <212> DNA  
 <213> Homo sapiens



<220>

<223> Genbank Accession No. R61557

<400> 2921

```
tttttttttaa aatatctttt tttttctctt taaatcattt tgccattctc cagggatatat 60
cctacggggga agggtagggg acccatggcc agccctggct cctactgcca tcctcccaag 120
tgaacttagc acagagactg gggaggggtt gacccactc cagaacacca atacctcttt 180
caaacatgac agtggagtga ggatcagagg atcagcccc tcccgtttcc tgggcacaga 240
ggaaggacag ttacacttag gaaatatata tataatatat atatat 286
```

<210> 2922

<211> 464

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R61740

<220>

<221> unsure

<222> (1)..(464)

<223> n = a or c or g or t

<400> 2922

```
tttttttttt tttgatgtcc agaatttatt actcctggan gaacagactc aaaacgcagg 60
tgagagccac acaggtttcc accaagacgg atggaggggg actcaggcca ggggtggagg 120
ctgcagagtg gcaccggtgg gcatgccagg cacctcaggn tttctcatcc aggentntcc 180
tggtctntga aagggaaccag gtageccctc ccattgccaca cgtggccttc caaaggncca 240
gatatntaca gntntacaga cgtgcactcc ctgggtcccc cggcgaggtc cagggttaca 300
ggtttttaca agaccaaacc ttcacggcag gccttttcan ttgtntttca gcattcctgg 360
gaccaggggg acaggacggg anaggccttg cccatttggc cccagcagg anaaccacag 420
gcagagggtt tccacggaac ccttgaggna cattgccttt gagg 464
```

<210> 2923

<211> 356

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R62173

<400> 2923

```
gatggagaaa attttattta tgtaattttc atctgtagag atgcttctgt cctcatcttt 60
atatttgtct ccctcttctc attgaactgc aaaattcctg aaggatgaga cctgggatgt 120
ttaatgcaaa ccgtacattc tcagcagagc acaagtatca aaggacatt ggatatattt 180
taataatgat ctaacacaag caaaaataac cactgaaaat ataaaactca acaagagaca 240
taagaaaaaa gcagacagaa aacaaaaaaa attcttattt taggaatgat gctatatgta 300
acttgtaaaa tatttaagtt tttatacatg aggttatatt gggtttcctt atttaa 356
```

<210> 2924

<211> 339

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R62456

<400> 2924

```
tttttttttag tctttaattc acttttaata gtataaacct catttaggta gtagtattaa 60
gccacaacaa taatgccaca ttgaaacagc atttaataaa atgcataaag ctaattcatg 120
```



```

cactgcaata ctctatatac aaacacaaca atgcaaattc ttcttcaaga ctgaagacat 180
tgattagata taaaattcag tttaaaaaagg aacatgctat tttttaaatg ccatcacata 240
aacaaagtga tttcacaggg agaaggaaaag ctgtataaag ctgcagcttt caacagggtt 300
taaacctggg gcattaaaat gtaatgggca aaaccaata 339

```

```

<210> 2925
<211> 275
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R62519

```

```

<220>
<221> unsure
<222> (1) .. (275)
<223> n = a or c or g or t

```

```

<400> 2925
naggcactca atatattattg aatacatgga tgagtcttc ctcccccatc tccccctgcc 60
ctccactccc cagctccacc ttccacctgc ccttacctgc caggggctct cccccactg 120
gaagcccgcc ctccagggtn cccccaaagga cctcataggg agccaggggg gcagggggccg 180
gggggagttt cccatagtnt acgagccatc ccagcccact agctggggagc agggccctgt 240
ccagntccag ccccagggtt cgccagggag tnaca 275

```

```

<210> 2926
<211> 403
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R63545

```

```

<220>
<221> unsure
<222> (1) .. (403)
<223> n = a or c or g or t

```

```

<400> 2926
gagaagagga tctggctgct ctgtttgaag cttcaatgaa actgtattaa ttgtcatttt 60
aactgaaaga attaccgctg gccattgtag tgctgagagc aagagctgat ctagctaggg 120
ctttgtcttt tcatctttgt gcataactta cctgttacca gtataggtgg gatatacatt 180
tatcttgcag gaaattcccc aaagctcaga gtccagttcc ttccataaaa caggctggac 240
aatgaccac tatgttagac cccaggggt cgacttcagg ggtcagtgtt cctgtcccaa 300
acccacaca gaatactctg gcctctgggt ttcattgtagg ccaaatgagg caaaaaactt 360
cagtatctat tcaaaagtgg taaaattatt atttccnatg ggc 403

```

```

<210> 2927
<211> 443
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R63734

```

```

<220>
<221> unsure
<222> (1) .. (443)
<223> n = a or c or g or t

```

```

<400> 2927

```



```

ttttttgatt tttgcctttt natgcctaca gtaactgaga atcaacaaag taactagtct 60
gacatgaaaa atgtgggtgcc tatgatttaa gtcctgattt gagcacatct taattgggtgc 120
actattgctt ttgataatcc agatataaca acagacaagc agtaataaat gaagagactt 180
actatgtatc acacaagcaa ggttttctgaa ttacaaataa cttcaacaat gacatcaaaa 240
cctatgantt aaatcttaac tcacgcgggt ataaagttaa attctcatgt gtcttagtga 300
gaatgctatc atcaaataca ttctaaattc tttcattttt taggtgtaca aagggttatgg 360
ggnggaaagg gtaagggtgc tttttaaata aggctaccac tgactcacac acatccctac 420
acggcttcag ggcaancttt gga                                     443

```

<210> 2928

<211> 351

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R63925

<220>

<221> unsure

<222> (1) .. (351)

<223> n = a or c or g or t

<400> 2928

```

taaaagttac agttttatct tctccatggt taatactggt aatatttgat aggggtattag 60
tatgggtgggt acgaagaact gagcctagta cttcacatga aatgcttttt gcatagtctt 120
catagggtga ataaacagaa tcatgatttt catgaatcct atctccacca atatctgttt 180
ggcaaaaaca ttcagctgga gtacagcctc caagaggact aaaagcagag gatcgaatag 240
gactaaataa accactatct tcccttgatg ccttcactgg gcgaggagaa tccggagcat 300
cacacagggt accatatggg agattctggt tttacggggg ngttgggctt t          351

```

<210> 2929

<211> 323

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R64131

<220>

<221> unsure

<222> (1) .. (323)

<223> n = a or c or g or t

<400> 2929

```

ataacaattt atatatatatt atttatgtat tttatatatt tataaatttt atttataaca 60
aattatttat taccaaaaaat gaataacttt ataaaaatgt aattataaat taaaataagt 120
atgtcgattt ttttctttac agtcctgaag actggaaaagt acaaagtcaa ggcgctcaca 180
tctggcgagg gccttcttgc tgtgtcatct catgttggaa gggtaggaga acacatgcac 240
atgtgcaaaa taagccaaat tcatttttat aacaaaacta tttcttccaa taatggaant 300
taattcattt atttggggca gag                                     323

```

<210> 2930

<211> 229

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R64137

<220>

<221> unsure



<222> (1)..(229)

<223> n = a or c or g or t

<400> 2930

```
ctaaatattn tttagtttatt gaaataaaat ataatctata ataaaaaata ctacaggtgt 60
tattcactgg ttacagtttt aagtatatta acaaaaacag ccaacatttt aaccaacaa 120
tgacactatc tttgtggnac aataacaaac atgaaagtaa atgttgaata atactgaata 180
attctgtcag gaaatatttt atactttacc atctatgtat gccttttaa 229
```

<210> 2931

<211> 446

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R64144

<220>

<221> unsure

<222> (1)..(446)

<223> n = a or c or g or t

<400> 2931

```
aatgtgaata tnnecatattt aatgtagttc tggatgatggc tacagtcagt agatctacca 60
gcaatttgtc cctttttttg tttcagattt taaggcagaa actcaatctc agcagctaata 120
ttcatccaat tttcttcaga aacattctcc aatttagttg agtacgcaag aaaagtgtgt 180
gaacattcac tcctgtcttc ccacataca tatataggac atacaataag gaaacataca 240
tacatatata ccctaggatt gtcaatgtat ggctgctgga aatgccngga agggttactt 300
ttcactttta aaataaaaatt tgggtgggatt attctgcagg ttggggggtg ggccctggc 360
caatttttat aaatatgggt tnggggggccc ggccaccagg gttttacncg gggggctgtc 420
ctgggggggt tncctcgtng gggttt 446
```

<210> 2932

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R64199

<220>

<221> unsure

<222> (1)..(479)

<223> n = a or c or g or t

<400> 2932

```
agatgaatat tttttatttt gaaatttgag aatgtcctaa gaggatgtct acaggatatg 60
aaactactgg gtgcaggaaa atttttttaa tgtagcaaa ttgtggcaag aggaaaacaa 120
acagtggaga aaactgtggt agagaaagta aagaaggggc aggagaaagc tgtaattata 180
acctgggcct gcctttgttc tcatgaagcc aggggcctct ccatatccta tacttgctct 240
tacgctaata acaaaacaaa tgctgcaaaa taaaagtaat aatgacccaa actaatttaa 300
gtcttttgtt taaggaggta aatgagagga aacatttttag cttctttaat tcaaggaggt 360
gctataattt ccagggcctt cttaatatat ttcacttacc ctaaggcatt gtgncattag 420
gcaattttta aaggggnaac caccagggtt aactttctac ngggggncca tnggcagtt 479
```

<210> 2933

<211> 377

<212> DNA

<213> Homo sapiens

<220>



<223> Genbank Accession No. R64534

<220>

<221> unsure

<222> (1)..(377)

<223> n = a or c or g or t

<400> 2933

```
gtcaaaatga tgtatcaatg gttctttttt agaacaagtt ttcaaagcat aaaaagaggt 60
tgagagaaat aacatattta ttgattcaca taagtatggt tttcttcatt aatcgtctgg 120
agaaaccacac ttgtcattaa ttgtttttgg gctagggttt caaacttacc aaattgcttt 180
aaaaaagcaa tttggaaggt aatttgatag gctttccaac ttaaccaaat tttttattgt 240
aattcttgga tagtattttt gtctttttca attcatttgt ctttttcagt atagtttttg 300
ttaaggcaaa tgtcttcctt tgaatatcca aatattgcta ataaacgggtg gaaggatgct 360
ttgggaattt naaaatt 377
```

<210> 2934

<211> 441

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R65593

<220>

<221> unsure

<222> (1)..(441)

<223> n = a or c or g or t

<400> 2934

```
actttacntt tagtttaatt ataagcagaa cactatcttc cactagtga tcaaatatgg 60
caatggaaac atttttttca tgcttaattt tggtcacaga gaaatcatgc atttgctacc 120
acaaaacctt tctatcacct gctaattgaga ttggaaattt gttctaggga gtccacggcc 180
tttgcgggga aacatgttgt attccggaag tgagctatcc agttccatgg gtctctctcaa 240
gcgaggaggaa agatcgtggg tgacatgtag gtgtataagt agggtagggg actgctggat 300
gggctatcag gtgatcccca aggaaaaaga gntccctttg gtttatcacc tttttttgcc 360
caatgcccac cggtggcaca gntcagggg gatcttattt ntgggggaaag gtgacccttg 420
tttaggaggg ggggttaagg g 441
```

<210> 2935

<211> 322

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R66002

<220>

<221> unsure

<222> (1)..(322)

<223> n = a or c or g or t

<400> 2935

```
ntntctgttt aagtcattta tttcaatata ggcattgttt taaatttgca ccttgtcttt 60
aacacatttc ataaccagag aacaggctctg agaacaagta cataaaagga ttatttgaca 120
aagttttaac aaaagtgtct acagcttatt tgtttcagat atacagaact gccagtcaca 180
aagagccact aagtgnaaat acagccacaa acttgcttgg ggaagtaaaa tattttacat 240
atttacactg tacatttaaa tggggatatt ctgaaggcat tattattatc aataaactct 300
aaggcaggag gttctcttaa ac 322
```

<210> 2936



<211> 264  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R66469

<220>  
<221> unsure  
<222> (1)..(264)  
<223> n = a or c or g or t

<400> 2936  
tttttttttt tcagcaagtc cagagcagtt ttaatggggg tggaggctgt acaaagagca 60  
aggccactg aagcggggga aagccaggcc gtgctgcccc cggcccaggt atggggcctt 120  
ggcatggacg cccttcctcc acctncagca agagaaagag taagcccttg gggaggaagg 180  
aggggaaacc agctgagccc caaatcctgg tctctgtcca agccangccc caggacanag 240  
ggggactnat ggtntcaggt tggg 264

<210> 2937  
<211> 357  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R66475

<220>  
<221> unsure  
<222> (1)..(357)  
<223> n = a or c or g or t

<400> 2937  
gggagttgag aagaggagga agaataatgg gaggagacag gacctttttc aacttgacaa 60  
atagatttct gagagagcag acaccatctt atttctgttg aattgtattt agtaactcaa 120  
aaggcatata ccaagctgtc agaagcagct tcatttaaaa gaaataaaat ttctagtcct 180  
gcttgaagtt taagctagcc catgactaca caagtgaac tgtatttccc gggtaggatg 240  
ccggtaggat tngggcccag taagtttgtg ccntttggga tgttgaaagg gaaggagatg 300  
cggggcaact tttttgggtc atcttcttta aaggaaaagn ccatttgtcc nggggggt 357

<210> 2938  
<211> 394  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R67751

<220>  
<221> unsure  
<222> (1)..(394)  
<223> n = a or c or g or t

<400> 2938  
gaatactttt ttcatagtta tttgttttaa aagattttaa aatcattgca ctttggtcag 60  
anaaataata aatatactt ataaatnttt gattcccttc cttgctattt ttattcagta 120  
gatttttgtt tggcatcatg ttgaagcacc gaaagataaa tgatttttaa aaggctatag 180  
agtccaaagg aatattcttt tacaccaatt cttcctttta aaatctctga ggaatttgtt 240  
ttcgcccttac ttttttttct tctgtcacaa tggctaagtg ggtatccgag gttcttaata 300  
tgaggatttt aaaatcttna aaatgtttct tattttncag gcacttaca gcatttgggt 360  
acacaggggt ccaantaggg gccaaattaa tttt 394



<210> 2939  
<211> 388  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R67970

<220>  
<221> unsure  
<222> (1)..(388)  
<223> n = a or c or g or t

<400> 2939  
aaaantttat ttgctttatt tccttggttc ctctaagttg taatctcgga gttaaaaaaca 60  
gcttttagaac cccgcccccc caaaaaaaaaa aaaaaacttt tgagaatttt tttcaaataa 120  
atgtccattg catagaatgg gtctgtgact ggctgcttct acatctgcac ccaacatctg 180  
gcccccttca gaactctgag tggacaggat caggatttga ctcaggagga ttagaatgtg 240  
aagaatccgt gtttgagggg ttcagttctc caactgcctc aaaggggtctc aagtttgcac 300  
aagggtcacct cctggggcca gctgctccgg ggggaagggaac gggcctaata tcagatttcg 360  
gaagtgaggg tacaagtnat cagggagg 388

<210> 2940  
<211> 437  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R69031

<220>  
<221> unsure  
<222> (1)..(437)  
<223> n = a or c or g or t

<400> 2940  
tagatatatt taaaggagaa tatttaatga tataggaaca atacatatta ttatagattg 60  
ataataaaaa gcaggtcatg gccacgcct gtaatcctag cactttggga ggccaagggg 120  
cgggtgaggg gggggcagat cacatgagtt caggagtctg agaccagcct gaccaacatg 180  
gtgaaaccct gtttctatta aaaatacaaa aaaattagcc aggtgtggta gtgggcacct 240  
gtaatccag ctacttggga ggctgaggca gcagaatcgc ttgaatccag ggaggcagag 300  
gttgcggtga gccaaagntcg cgccattgca ctccagcctg gggcaacaac agtggtcacc 360  
cttgagggna aaaggcctat gtattaacct ggaagtttac taccacacag gttaaggcac 420  
ccccctccca cacacac 437

<210> 2941  
<211> 350  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R69417

<220>  
<221> unsure  
<222> (1)..(350)  
<223> n = a or c or g or t

<400> 2941  
ttttgtgggg ggggcaacta aacaaacaca aagtattctg tgtcaggtat tgggctggac 60



```

agggcagttg tgtgttgggg tgggtttttt ctctattttt ttgtttgttt cttgtttttt 120
aataatgttt acaatctgcc tcaatcactc tgtcttttat aaagattcca cctccagtcc 180
tctctcctcc cccctactca ggcccttgag gctaattagg agatgcttga agaactcaac 240
aaaatcccaa tccaagtcaa actttgcaca ttttatatt tatattcaga aaagaaacat 300
ttcagtaatt tataaataaa ggggcactat tttttaatga aaanaatttg 350

```

```

<210> 2942
<211> 385
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R69700

```

```

<220>
<221> unsure
<222> (1) .. (385)
<223> n = a or c or g or t

```

```

<400> 2942
tgtggagctg aaggcacagt ctgccccacc cccacctccc cactgtgggt agtcagaggc 60
atcctgctcc aagctctgct tttccttccct ctgaaacaat gccattcttg cttctattgc 120
tacacatctc cttctggctc aggtgaaatc catgcccttc tgcttataga cctaaagtgc 180
aggtacttat tattggctat tgatcttgaa tttgccctct cctagtgtgc cagtccact 240
tcaaagccat tttctgagga ggatgggtta ggtctggcaa ttgtccttga aaaatcccac 300
ccatgttgta ccaccttggg gagtcatatg ccactcatca gcttggggaa tgatgggtgc 360
caactcccaa tcttcccagg gaggt 385

```

```

<210> 2943
<211> 457
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R70005

```

```

<220>
<221> unsure
<222> (1) .. (457)
<223> n = a or c or g or t

```

```

<400> 2943
gttgtncatt tcttgtactt tatttttctc aaatattttt acttatgctt tttgtcatta 60
tccacagtgt ttttttttna aagcctgagc cactttgtgg ttttagcctc aatataataa 120
tcatcccctt actcttagac taattccttt tcccctgtca ctttgccctg atactctgta 180
aaaatgagga ccttagaaaa tcaacatttc ctgtgaactt gagagactat acaagcagtg 240
cccaaatcag taggattagg caggtaaaac cagtgggat aggcagatat attatganct 300
gttggacaaa ggtatagttg tgtgcatgtc tacaagggtc atcgtgattc gccattaggc 360
ttaaggggtc ttaggggttg accgggggtg ggtagggtta tccacagggt tgnnttaaat 420
tgtggnaggg ggntgcagtt ttacattttc ntgattt 457

```

```

<210> 2944
<211> 443
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R70253

```

```

<220>
<221> unsure

```



<222> (1)..(443)  
<223> n = a or c or g or t

<400> 2944  
cgtctctataa atttataaga tttctctggg gagggatttg acgtatccat gccccacctc 60  
tttctacatt tatgggattg agctctccac cagccaccca tgggctgatg tctttggaat 120  
atggatctag taccaacaga gtcagaaaaa gagatggggg ccaatgggct acagttgggt 180  
ggtgggtcctg ggatacacag cacagtggcc tctactgggg gatggcagct ttccaggaga 240  
agagtcgcaa gcttgccctgt gggacttntg tcttgtggag aggacagggc tgcctcagct 300  
tggngagac agacagagtt ttccgggtcc cttttttccg ccgcagcatt gaagtttttg 360  
ggggggctact tggactcatg gcatagaaga cttnggcatt tntcagggat cangggcacc 420  
cgttcccagg gaggtcttga aag 443

<210> 2945  
<211> 386  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R70319

<220>  
<221> unsure  
<222> (1)..(386)  
<223> n = a or c or g or t

<400> 2945  
atggaaaaaac aggatattgt ttattttaag gtaggcattg gctcagtgga ttcacatcca 60  
aaaagctgag cattgaacaa agactgagca ggatttttat aagcaggctt acagaagcaa 120  
aacaggcagt taatcatata atgacaggtc acataatcta tagcataact gatgacttgg 180  
cataacttgt ggctttgcat agctgggtggc cttgtagctg cgtggaaaga aaaaacaaga 240  
actggctaaa tacagacaga catttgtcct tttttttttt tccttcaccc ttgctccaga 300  
cgggggatgt ctggngccta ttcennttgg ttcgacttct cgaagagcat tatcttataa 360  
ttgtctttga agtgagcttg ctaggc 386

<210> 2946  
<211> 229  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R70532

<400> 2946  
ctttttaatg tctgaaggtc tatggggact gtctcctagg atcttttgcac gtctgttgaa 60  
acaaggcagc tggggaacag tacttgtgct actgagtcca taggctcacc tggtatttgc 120  
ctgggggagcc agggggggtaa attcccgaa ccagcattgc tctcctgcgg gctgtttcct 180  
tggcaacact gtggttttagc cgtctcagtc gttcctgagc attctgtag 229

<210> 2947  
<211> 291  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R70790

<220>  
<221> unsure  
<222> (1)..(291)  
<223> n = a or c or g or t



<400> 2947  
ggcggnant ntggtactat aacttggtat ttatcagggc agatcacaca tttggatcaa 60  
aaagaaaaac cagcaagtag atcctaaaac acatttctta acctgagtca taactgaaaa 120  
catagacttt aattacattt tgttgaaaat tcattcaact ttggtgcttg taaaagcact 180  
tatgtcaatt tttgacacaa atcataaccc tcagtacaca ggtattttca aaggaaacaa 240  
gtcatcttaa agtaatatatt ttctatatgg ctaattgata catctttata g 291

<210> 2948  
<211> 392  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R70791

<400> 2948  
tacaataaaa tgctttatatt aaaaatatga tcttttttaa aaggagactt ttatacacac 60  
ttacttttaga aacagtcaaa aacacaacag aatcaatcca gatttagaaa tgatgatttg 120  
taacatacaa tattggtatg ctgaacaaga cagtttaaat gtatgattct ttttgtccct 180  
tcacatttca ataattcaca tttgttaaaa ctagtgggtg gggactaaag aaaagggtcat 240  
atctgaatcc tttcccttcc aggaaatctg tcacccttct ggggcagtta caggaaatgg 300  
gcaggcagct agggcaatgt ttgtatttct ttgggggtgc ctctggtggt ccaaaaaata 360  
tatctccgct tttattcttt ttctatggaa at 392

<210> 2949  
<211> 281  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R70801

<220>  
<221> unsure  
<222> (1) .. (281)  
<223> n = a or c or g or t

<400> 2949  
caagggttcna anggtttatt agggagtcgg gagggagaaa acccagggag tccccagggc 60  
catccacatt gctccccggc atgtgacgat ccagcctggg ctttctcttg gtcctttctg 120  
gacagaggct ggccaagcag gcagcagcct caaggggagt gggtaggagc tgggggcctt 180  
ctggcagccc tactcagagg atgatctggt tgggtgaagct tcggctcagc tccttgtgtg 240  
gcagaacant cgagttcagg atgagcacct cggcagggat c 281

<210> 2950  
<211> 348  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R71082

<400> 2950  
ttgcataaca agtttatatt tttaaaaggc atatagacaa taaacaaagt aaataatcag 60  
atcttaactt ctgtcctaga cttgttccgt taagttctag tctgtgagca cttgtagttc 120  
aataatcgtc atcttcatca gagtccatta cttttcttct gttgaatttc actgttggtg 180  
tcttttctgt ttgttggtct acttttttaa ggatttctat taaaccttgt tctgatacct 240  
tctcacttag gttgtccata tcttgccatc tgtataaggg taattctcta ctgcttttag 300  
ttttttcagg gctttacaag gtgctaaggt tacttaacct ggggcccg 348



<210> 2951  
<211> 284  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R71395

<220>  
<221> unsure  
<222> (1)..(284)  
<223> n = a or c or g or t

<400> 2951  
tggaaaaaan nacaacttta ttttcagtca tttctatttc cttgggttatg aacaaaggta 60  
gcaaagtgcg gttgtatcag cagtgcgaat agaaattaca gagtttttca tatcccttta 120  
cagtttgcca caggatatctt aaaatattgt ttacactcat ctctcttcag tttaccattg 180  
tttaataggc ctaccctcga tctttttatt caatatgtta ataaagaaac ctatacacat 240  
agtatcacgt tatacatattt aaaantnttt tgacaactgt atat 284

<210> 2952  
<211> 551  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R71459

<220>  
<221> unsure  
<222> (1)..(551)  
<223> n = a or c or g or t

<400> 2952  
gttcataacc aacaatataa accgtgggtct catgtaacac ataaacaatt catgcctttc 60  
atagtttatt attattaaag tctaaacaaa attgcaattt cttaggtaac cttatatatta 120  
caataaatga agattaccct caaatgctag aagctgtcta ggtccgtccg gtgtgtcaga 180  
ttttcctcag attagatgtg ccaataacca agtttattca gtaaacact tgtacttggt 240  
tcatctgggt ttattactct caccataaaa cagtaatgac tctctgacct tctggaaata 300  
tgtaatgctt ccaatcttgc tttgtgtatc tcatttaatt tgttataagg tagtactgat 360  
tttagcatat taatgcgatt tcttccttgt tgtttgcttt ggnctgtgtt caatccngag 420  
ggccttaaat tgtccattat tttggggagg aaaaccgta tttttgttag gttacatatt 480  
atggaaattt cacttcaggg ggaactgctg ggctnccgtg gcttggtttc ntaggtactt 540  
ttccgtgcgc g 551

<210> 2953  
<211> 416  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R71491

<400> 2953  
cattctcagt ttacatttat tgagtgtcga ctgtgtgcca ggaagtaagc caggtgctag 60  
aaacggcaaa ggagcaggga agaggcgggt cagccgctgg gttgaccctg gttataacag 120  
ggtacggatt aacccttcag gctcccttcc gagggcctgg gcgggggtctt ggggccgctc 180  
ctgcccaggg tgttctttcc agcaatggaa agggattcag cgaggtaaga cgcttccctc 240  
ctcctccatt cagagagcgg cacacaagaa atctacacag tcttccaac atgtacacac 300  
cctgacatgc ccggatgcat ctacactta ggataaacac acacggacac agtcagaggc 360  
acgggtccgc agctgtattg aggtgtcggg ttacaggtgc tgctacgtg accgtg 416



<210> 2954  
<211> 368  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R72087

<220>  
<221> unsure  
<222> (1)..(368)  
<223> n = a or c or g or t

<400> 2954  
caaggggctgg aattnaaatt attgtcacag agcacaggag agaccgcttg ggtctcaatg 60  
aaggtttgc tttcctcttc tccaggggaa gctactgcaa gaaggccac cagccaggct 120  
agggtcaaag ggggtggggc cacaacatga tagttaaac cataaacaca gacttgattc 180  
gntcccagct tcacgacttc ttagctgtgt gaccttaggt aagtctgtta acctctctca 240  
gccttggctt tgtggagtgg agtgaagagc agggcctgct tctactgggt nttatcagga 300  
tggaggggga caaggcctnt gaaagtnttt agcacagcgc ctgggcagat cgtgaccagt 360  
cacggagt 368

<210> 2955  
<211> 355  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R72886

<220>  
<221> unsure  
<222> (1)..(355)  
<223> n = a or c or g or t

<400> 2955  
aagaganntn attttattga tatttaata tattaaatat ttcactgaaa tacanggntc 60  
accancncc cccaccccca cagtggntac attataaaac caaagccan gggctcccac 120  
ctcctgactc ctctaccaac tgggtgagga aagggacaat ggtagcccag gggaagggca 180  
tggctggcac tgtggtagcg ggatccaggg tntggacang cctcccacc tgggnaagaa 240  
gcagagacaa gccacccaag gctgaggtnt tcccactctg atctacttat accctcaccc 300  
ctaccccatg ggcaccaagt aggtctcttc ctatcccttc ctatccgggg atatg 355

<210> 2956  
<211> 439  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R73468

<220>  
<221> unsure  
<222> (1)..(439)  
<223> n = a or c or g or t

<400> 2956  
ttttattgct tggatatnant tattgacaag ttcaaattta atgacatggt acagtttcat 60  
ttgaacagtg tattactgta ttaaagtata gcatcatagc taaaagaata ggctctagat 120  
tcagaccggc tgaatttgaa tcctagatct gccacttaca tgaacctggc caagtaattt 180



```

aatctcccta ggctcgatt attcccatct gtcaaaaaga aatattaaat ggtacttata 240
tcatagtatt gtaatggaga ttgagctaag gcatcaaagg tgcttaaaac aaggaatgcc 300
acataattct tcaggaaata tatgtaattg ttattattta tcaccagttt ctagtgccca 360
atactaggaa tgtgtctggg gnttcaaaga taggtgcgag ggancatgt aaagtgtatg 420
cntgccatac aagtntgtc
439

```

```

<210> 2957
<211> 448
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R73485

```

```

<220>
<221> unsure
<222> (1)..(448)
<223> n = a or c or g or t

```

```

<400> 2957
ggcatggtcc tangntattt tcagacattc tcgcttcaca gaaagaaaca gggtgagggg 60
ctcaagagag aggctgcccc agggagaagc acgggaacgc tgaactggcc gaggggcttn 120
tcctcatcct caggggtagg gggaagcccc catctgccag tctggctgga agggaataga 180
tatagagcag aggccctgag tggaaggtga canttaacca aacagccaag gccaaggaga 240
ggagggggccc taaggcttag agaggccctn aggaccaacc ttgctctgcc atctgacctt 300
gcccttntag gcctcctntg aactcccaaa atntgaccta tgccatcacc gagggcgag 360
gaacaagagg tgggtntcca tgacattggt acctttcatc cctnttttca gcagggtttc 420
cccaccctgg gngcagcaga agaaggtt
448

```

```

<210> 2958
<211> 469
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R73565

```

```

<220>
<221> unsure
<222> (1)..(469)
<223> n = a or c or g or t

```

```

<400> 2958
tcacgtttta anattttaca aatgcctctt acccatctgg ccaggnacca actctgaagg 60
gggtgacctc aaccagccc ttgtttctgt gaggtcctgc ttttgcagaa tggcctgccc 120
ctgggactgg agcagacttg ggtgagctct aggtggaggg tgggtggagg ggcataaaaa 180
taaaccttcc tctccatcag aaggaacctg tgatcccagc ttttccttca gtcaccacca 240
cctcgtgaca ctagaaagcc taccgtcaca gatttcagc ttactcaaac ccacagggtt 300
ggggtcaaat gcatgttaac ctaatttggg ggaaaaaaga ctcaatnttg aaagcctgag 360
gcaaagtaaa gggttacaca ggacagtgtc aagtatatgg ccatacttca taccnggggt 420
tttccctaag gcaagaacta ttagttttcc tttttaaaagt gtagcttt
469

```

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<210> 2959
<211> 290
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R73569

```

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<220>

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<221> unsure  
 <222> (1)..(290)  
 <223> n = a or c or g or t

<400> 2959  
 ntttcatcat aattanagtn tttattatta tttgctatca cagagtagtg tacaactaac 60  
 agaacaatta tattgggtaa gctgcacgaa aaacaattga agagggaaaa ataatatctc 120  
 cntatatatg taattgattt gtactatgca ctaataaagc ctgccttaaa tttctgttct 180  
 agtttaaacc ccgaaacagt accaggcaag gttagtggct attgaaaata tcattaagga 240  
 cagggttatc taaagacaca ctggatacta cattantttt gcaaaantaa 290

<210> 2960  
 <211> 314  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R73816

<220>  
 <221> unsure  
 <222> (1)..(314)  
 <223> n = a or c or g or t

<400> 2960  
 acctgcaaat caaggtaatc gaaccaagtg cctacatcag acatgatagg caaagaccag 60  
 atctgagggg tcagaaaaaca ctgacaacaa tgatcagagc taccacttta aagtaggaaa 120  
 gaaggtagac aagcaggatg ccaatcaaag ttctgtaca gactttcctg aacantcgaa 180  
 acgtatctag ctgacggcag cttgtcttgt ttcccttttg aaaatgggtc tttccttggt 240  
 tcattccatt ttgatgtatg tgagcaaagn ttgcttgtat gaagntcaga caccttttgt 300  
 gttaacacta ccaa 314

<210> 2961  
 <211> 385  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R76363

<220>  
 <221> unsure  
 <222> (1)..(385)  
 <223> n = a or c or g or t

<400> 2961  
 cttatctcag gaaaggaaaa tatgcatggt tggtgagaat ctaataacat taaaatgctg 60  
 gggcaagatg cagtacaaag ttgaagagac tttattctca ataagttgat ttactgatga 120  
 tatgtcatat gatgcaaaaa aggtttttgtg tcattaactg aaaagtagca gcttctctat 180  
 ccagggatga tgagtcaaca ggtttccacta atatttgtca tgctgtagca tttgtaagat 240  
 ttgtaaatga tgaaattcaa agaaaacttt ttctattgct aggggcctgc cagaacaaag 300  
 gccaatatat aatgtttgtga catcatatct gattaccng aggtctgggt ntctacantc 360  
 cgggggcccc cttccggtgg ttttc 385

<210> 2962  
 <211> 398  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R76782







<220>  
 <221> unsure  
 <222> (1)..(435)  
 <223> n = a or c or g or t

<400> 2965  
 agtgaaagtg gcttgattaa aagactcctt ttaaattggaa gccaccagtc agcagaatgg 60  
 aagcttagag gaacttgccct gtgagcgctg gtctttgtgt ttggttttgt gatgtaacga 120  
 tctttgctgg gggttttttgc tttgttttga gggaaatgtc ttggagtaaa ttttaagtcc 180  
 cnggngttaa tttgtttttac aggaattttg ttttttaaaa aaataggatc attctgaact 240  
 ttggaatggc ccccttatat attttctgaa aatgaaaaca gttacatgaa aaaaatttcc 300  
 aatgaaggat gtcagcattt tatggaaaaa ccagaagtta ttaggatgaa agcagcgagt 360  
 gaatcctttt aaaaccagac tttgatccac gnacacacat taagnctttt ntctccgaaa 420  
 cccggagtaa ntcca 435

<210> 2966  
 <211> 429  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R77631

<220>  
 <221> unsure  
 <222> (1)..(429)  
 <223> n = a or c or g or t

<400> 2966  
 tatttttcta gagatggggg agacaaacgg taaacagatg tttcctttcc gatagtgaca 60  
 ggtgctgggg ggaaactaga ctggctggcg ggggtggggc agccctgcag gagctgaatg 120  
 aggagaggct gcagagggag gggctggtac ctgaggggct gtttgtgaga attagctggg 180  
 tcggtggaga agcagaggaa cacctgaggg gctccaggag aagcaggtag ggagaagagg 240  
 ttttctgagg ggtngaggca ggggtcatac atgctggggc ttcaaggggc atgatatggg 300  
 tatcattact atgtaataaa ccaccccaaa tgcagtggct taaacaacta cttatttctc 360  
 atgattatat gctgggctgc cngggtnca aactgtgccg gtnttttaac aaccttcttt 420  
 tcagangtt 429

<210> 2967  
 <211> 325  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R78713

<220>  
 <221> unsure  
 <222> (1)..(325)  
 <223> n = a or c or g or t

<400> 2967  
 ccccatgtta gccaggctgg tcacgaactc ctgacctcaa gtgatccgcc tgcctcagcc 60  
 tcccaaagtg gcagaattac aggcattgag cgcttgtgcc cggctgagat tttacatttt 120  
 tttaatggct ggaaacataa ttcaaaacaa taatatttca cgacacatga ccatcacatg 180  
 aaattcaaat ttcagtgtcc ataataangt tgtattgang cacagtgaca ctcttttgtt 240  
 tacatactag ctacagacac tttcatactc acagcaaaagc ttactagttn ttangagacc 300  
 atatgtccca caangcattt acaaa 325

<210> 2968



<211> 433  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. R79246

<220>

<221> unsure

<222> (1)..(433)

<223> n = a or c or g or t

<400> 2968

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ctgggacaat taaantttat ttttcatata tatatatatn nccatatata tatatacatn 60
catatatang ggaaacaatt tgcaaattta cacacctgac aaaaccatat atacacacat 120
atgtatgcat acacacagac agacacacac acccgaggct gctngccagg cccgttttcc 180
anccctaagt accattctct catttgggcc cttctagggt tggggccctg agcttggttt 240
gtagaagttt ggtgctaata taaccatagc tttaatcccc atgaaggaca gtgtagacct 300
catctttgta tgctccccgc tgcttttcag ttttacgtga tccatcaaga gggctatggg 360
gagccaagtg aacacggggg gnttgaggct aattcacctg gaactcgaaa acagcgccca 420
gttttcttna ccg                                     433
```

<210> 2969

<211> 430

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R79580

<220>

<221> unsure

<222> (1)..(430)

<223> n = a or c or g or t

<400> 2969

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ctcaanttta cagtttatta cagtgaaggg ataaagatta aaatcagcaa tgaagaaagg 60
cacataaggt aagggtccaag agaacttcca attatcctct cctggcagag tcttcaggat 120
aatgcttaat tctcccagca atgatgtgtg gctacaatga tgtgtgcaca gagtattacc 180
aaccagagta gctcacccat gcctagggtg tccaggggct tactaggggn ttgatcacat 240
tgggcatgct tctactgcca catgggctaa cttagggtct ctcaggcttg accttgga 300
gggtcaagct ggaattactg catgggcccc aaggccccac agggtaaaca aaaacactct 360
tnttcagggg caaggatatt tcttaatggg cttaggaggg tttttcttcc cgggggngcc 420
cgggggnaggg                                     430
```

<210> 2970

<211> 227

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R79750

<400> 2970

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ctggaagact cttgaacttg tgaactgatg tgaaatgcag aatctctttt gagtctttgc 60
tgtttggaag attgaaaaat attgttcagc atgggtgacc accagaaagt aatcttaagc 120
catctagatg tcacaattga aacaaactgg ggagttgggt gctattgtaa aataaaatat 180
actgttttga aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaa 227
```

<210> 2971

<211> 359



<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R80048

<220>  
<221> unsure  
<222> (1)..(359)  
<223> n = a or c or g or t

<400> 2971  
tatgtacata tattgtctgt ccatatgtat ttgtaaatag gttgtatata atgtcaggtt 60  
tgggtcttgg gttcaagtgt atatattcct gtaagtttct taactgcatt ttgatgaatt 120  
cacattatgt aactataaga attgtcccaa aagtacctgt acagaaaatt gaatattgaa 180  
aaattgacaa attgtgtaca aacactaaaa aaaacttggt taaattgtat ttgcaataaa 240  
caacatcaaa ttttttcatg gaaatcttgg gtacaaattc aggtgctctt atttaaaaat 300  
tttaaaataag gggnttacat tttccaaaat ggcgggtatcc aaatgtggat cntgggtggt 359

<210> 2972  
<211> 406  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R80573

<220>  
<221> unsure  
<222> (1)..(406)  
<223> n = a or c or g or t

<400> 2972  
caacccttga atatcagatg aagagaaaaac ttgactccaa catcttacca caactctggt 60  
ttcttcctgc agaattcatt ttcagaggaa aatgatgaat catccctgtc tgtgaaccac 120  
tgtgctttcc ttgaggggtg cattgtagggt tgacaccagc aaagactcag agtgacttga 180  
gcattggaga tccttctact tggctgctgt attcatgcat tatgttggtt tgagaatagc 240  
tagtgatttg atccaagtag tcaaagtgtc ttaaaaggac acctatttgt ccttttgagc 300  
cccagctgga gtngaatact ggatagtggg actaggaaaa gcatagtcca aggaaaagtg 360  
gaccacacctt gtttanttgg accaggcagt tntagctgga ggaggt 406

<210> 2973  
<211> 382  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R82074

<220>  
<221> unsure  
<222> (1)..(382)  
<223> n = a or c or g or t

<400> 2973  
ttttntang aaatgacaag taccgtttat tgtcgttaca caaatgaacc cagcctctgg 60  
cttgggcacc gtcccacgga ccagcagatg agcatgggtca gccgaccctt ttccccaccc 120  
ccgagtcatg tgcagtcata cantccaggg agaaagtcgc agtntcgant accggacaca 180  
ggttcccttg gnttggtggn gcatctntga tccacagant ggcccacctn tcggagtggc 240  
caacggagtc gntgaaacgt tgtcaaataa gncaagtaag tgcaggagcc ctggggntgg 300  
ggggcctntg gcttntgnca gccgggtggg gaggagggtat ntccaagggt tctgcggggg 360



agggcctcgg cttccanacc tc

382

<210> 2974

<211> 466

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R82229

<220>

<221> unsure

<222> (1) .. (466)

<223> n = a or c or g or t

<400> 2974

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gaagagcctg cattcctgac cgaaccttca gttggtctcg gttgtcgttt tttcttgctg 60
ctcctcccc catcacctga gctgttttct gttggccctt tttgtttttt ggcttaacg 120
ctcctgctgc acagggtgag gtgcctcctt ggcacagact gtggatgcct ctccccccagc 180
agagccacac agccttcgtg acaactgctt tccgttccca cattcacctc atcctgctct 240
ttagaaaaag cagtctttgt gcttggtggc gaacgcacat ccctgggact ctgctagtgt 300
cttcttgagg acaactgatg acaactggatt taatgataac agacctttgg cagggacctg 360
gatggagttg accctttttg ggagctgggc cagggctctc tggcaggcag ggcaaggacc 420
aattcantca ttggaacctg gcntcatggg naccagagtt gaacan 466
```

<210> 2975

<211> 429

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R82837

<220>

<221> unsure

<222> (1) .. (429)

<223> n = a or c or g or t

<400> 2975

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agttnatnaa taaactgtat tattacttgc agtcacgcac atctaggcaa gatgtacaat 60
gtgatacttg acaaaattca gtctgatcat ccaataactc acaaattgcaa gctcacaaaa 120
cattaatgaa ttatgcaatt gcaaagtgc ctaatgcaac attaaccaca tgcaatcaac 180
aatTTgggna cagtatccaa acagacatta tacgttaaac gtttagtttt caaggaaaga 240
aagcagcttg aagtttactg ggtgcaaatt aatTTtggtc ttcagatttg ggngccccc 300
aacaaaaggg ttagggnttg gattatggaa ttctgatggg tgggtgggcc cgngggttat 360
gggggggggna gccggccgga aactTTtggg gggngtttct tccaaaatta ggnccctttn 420
cccgnccg 429
```

<210> 2976

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R85266

<220>

<221> unsure

<222> (1) .. (427)

<223> n = a or c or g or t



<400> 2976  
 anttangatt taatatatatt attgaaatac aaagagtcaa tataaagaaa aatagagggtc 60  
 accatacttg gccacagtta gaccgctcat aggcccatgg ctgctgcaac catgggcagg 120  
 acacagaggg agtccagcct ctactgataa atctgggcag gttcaccttc gcaggccaag 180  
 ccagggggcca tccctgggtn tgcgaaacct ggggggttttc caggggaagcc ggctgctcca 240  
 gagctagctn tcaagtnntt agccccacag gctgggtgcc cagaggcact tccacaggag 300  
 cagcctcggg ntccacccac acccaaggag tttccnaggc aggaggcaag caagggtnaa 360  
 gggagggttc aggggtccac aacagcagtt ngcaggggtc cngcccttag ggcttcagag 420  
 ncttttt 427

<210> 2977  
 <211> 127  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R87373

<400> 2977  
 tcagattatt cccttaggat agtctctcag tgccaagttg tcaaaaacat ctctattttg 60  
 cttatcttcc tgctctcttg ctgccttagg gggtagtaaa ctgaaacata aagtaaacad 127  
 gcataca

<210> 2978  
 <211> 361  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R87989

<220>  
 <221> unsure  
 <222> (1)..(361)  
 <223> n = a or c or g or t

<400> 2978  
 tgcantaant ttcagggttt attggtgaag gagaagatga aggagggtgt gaagtgctag 60  
 gaaaataaat nctagatgag aggcagtaca tgtccctcag ccagggaag gcacccctct 120  
 ggggtgatttc catagggagc aagcaaatgc aatttgcttc attcccagggt gagttgggggt 180  
 cctccccagg gttgcagatt tacttctctt tcctgggaac acccgccgac ctggggctcc 240  
 tgggtgccta acagagccag gnttttcctt tggcaaacct gtaggtttgc ggaggggcca 300  
 tgacccatga cacagtcttc tgtctgtgtg ctctggggt gtggctgcta cctgggaggc 360  
 g 361

<210> 2979  
 <211> 355  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R89811

<220>  
 <221> unsure  
 <222> (1)..(355)  
 <223> n = a or c or g or t

<400> 2979  
 tcagcaaggc aggggaatggt gggaaccagg gntgtcccgc tggagggtca ggaggagacc 60  
 acaagccgcc tgggaggccg tatccggctg ttgatccagt ccacatagtt ggccacgcgg 120



gtntagaccc cgggcttgtg gagccgcccg cagccgtcac cccagctgat gatgccgtag 180  
 aggtaagcca cgccgttctt ctcgcaggcc agggggccccc tgagtccccc tggcaggcgt 240  
 cggacttgca gtcgaagtag ccggcacaga gcatnttggg gctgatgttc ggcgccgtag 300  
 acctcagggc tntctgcaact gtggggtcggc gaccaggggg gaccagggnt ttccc 355

<210> 2980  
 <211> 318  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R91060

<220>  
 <221> unsure  
 <222> (1)..(318)  
 <223> n = a or c or g or t

<400> 2980  
 ttgtcttaga aatctatagg aatttttaat gtatatntnc nanaccagtn cantctttac 60  
 atgtttagt aggtagcctc taaactggct cccaatganc ctcaccctcc tgggggggtgc 120  
 cttgtacaaa ctccccctga atgtaagctg gagttattgc cttgcttcta acaaaaagaa 180  
 tatgggcaga agtgatgggg tgccacttcc aagactaaaa tactgtgggt tnccatcttg 240  
 ggggtgttnc tctnactccc ttctaggaaa ggccagctct gagggggccg ctaacatccn 300  
 cagggggggg gccccaaag 318

<210> 2981  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R91503

<220>  
 <221> unsure  
 <222> (1)..(386)  
 <223> n = a or c or g or t

<400> 2981  
 acatttatatt tcttaacctg ggtagtaggt tcatgggtgt tcacttatcc ttttttaaaa 60  
 cgtacatttt atacacactt ttgtatgtat tctgtatttt ataaaaaata aaattaaata 120  
 agaaattatt cttatagtcc ttttctaacc catggggcct tctgctagaa ttttgtgctg 180  
 ttcacattct caatgccagc ttcccttagcc ataaagtaaa aggggtccagg ggattttagt 240  
 gcagttcttc agggctgccg cactctataa tcttcccggt gtctagggnc cattaccttg 300  
 tcaactgtcca tgatgggngt gcagcctgtg ggggggnatgg gngatcactg tgnacagtgg 360  
 gcgaactcgt tttgggatgg gncgtc 386

<210> 2982  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R91753

<400> 2982  
 tagtttggcc actccctaga ttcttgggtt accagcttat aaagagtaca cctaagaggc 60  
 agtataatat acgcactaaa aaccatttcc ccctttatca tctttggcta gaagcctcat 120  
 gaaaggaaac tgaggacggc agaggcaggc aggtcccggt cgcttctgcc tcacacgtca 180  
 ctgaccggaa ggctcgcac gtccaagtct actaggtcac aatctttttc ctgagggcca 240



tttttacttt gaggtcttaa cagagcttgt tcagtcactt tggaagctgg gttctcttgg 300  
gagagacagt ctgggacctt gaagttccct gggcttga 338

<210> 2983  
<211> 409  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R91819

<220>  
<221> unsure  
<222> (1)..(409)  
<223> n = a or c or g or t

<400> 2983  
caataacaac gtaccgtaca aaacctgcct cccagctcgt ggggcaggca gtntggtggc 60  
caagggagcg tagaaaacca gggctcttgt cccaaaagag gagaggaaag aggggttttgc 120  
agtcaaggaa aaacaatcaa aaccaacat gatcgaagag aagccctgaa tctgcatcag 180  
agggagggggc cgtgggcagt tgctcgcaact tggccactgc ggcggcacca gtacggggag 240  
ctgtgattcc tagggaggggn ttggggccag ctcacaagtt tatttattta tttttttgag 300  
acggaggggag tctccctctg ttaccggggt tggagtgcag tnggcacgaa tcttctggct 360  
tcacttgcaa cctccattnt cctgggggggt tcaagagatt tntcacggc 409

<210> 2984  
<211> 359  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R92449

<220>  
<221> unsure  
<222> (1)..(359)  
<223> n = a or c or g or t

<400> 2984  
acaacaaccc tatgaggtag gtactattat tcccatttta aagatgtgaa aattctatac 60  
agagagggtta agtaacttgc atcaagtcag agagttaata aatgaggggag ctgattaaaa 120  
ttcaggcgcc tgggtaccca agttcctggt cttaaccact acactctagg cagcctctaa 180  
gttttagggcc tgcaaccaga gttcctccag gggaagggaa cgcttcaggg tcatgggaga 240  
agttcaaggg gaaaaatc caaatgggct ctgtctccaa atggggggag atccctaagg 300  
gggccagagg aagggtgnagg gccaaagggg gaggccttcc acttacagng gaggccagg 359

<210> 2985  
<211> 260  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R92458

<220>  
<221> unsure  
<222> (1)..(260)  
<223> n = a or c or g or t

<400> 2985  
tttgattgct tgcagaataa agcctatcct tgaaagccct gcatcatggg cagtgagcnc 60



agtggnatct ggnggacagg gcactggcca ctccagtcac catcttctgc caggnggcct 120  
gcacctcagg ggtgaattct ttgccgaaat ggattgcca aacggtcacc agcacatttc 180  
ccaggggctt gaagttctca gggatccaca tgcagcttgt cacagtgcag ttcactcagc 240  
tggggcaaaa ggngcccctt 260

<210> 2986  
<211> 377  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R92475

<220>  
<221> unsure  
<222> (1)..(377)  
<223> n = a or c or g or t

<400> 2986  
gatttaaaat acatctttca tacattgttt aaaaggaaaa aggaatcatg tcaaaatggt 60  
tcaggaaatg atttaagtta gatataaaga ncatagttct gattttgaag tgtagtgga 120  
actcaaacag aaatgattag ngctctctta agancatgac atgattctta aagtgggcta 180  
tttcagagcc tagaaataac actgtattac tgactaatgt ctacagagta ctgcaaaaga 240  
tgctggaata ggaaaaggca ggggtgggtgt gaaantttta atttttaaat aggcaaagcc 300  
cctgtctggg ggtattgtca ggtaactttc nggaaatccn aggaggaaaa tgatgggttag 360  
gggnccacnc cagggggg 377

<210> 2987  
<211> 357  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R92737

<220>  
<221> unsure  
<222> (1)..(357)  
<223> n = a or c or g or t

<400> 2987  
ttaatatataa agtaaaagag tacattgttg agtagaggat taaaggagtg acgacccttt 60  
ctaaagtggg gtctcccatc ccggatccct aagactgtaa catctgctac atacattaaa 120  
ancaaaaaca aacaaaagca aacatgaaac ttatgacctg acttcactcc acccttcacg 180  
cctgcattat gacagaaaca cgtcccactg ctccacttta tgtatgtaca tccagaggct 240  
ccaaacctaa ggctgtgggc cccctcctcc caggccccac acacacacac ccctggcaca 300  
cacatggcac acacatggca cacacatggc acacacacac atacctggct ggcccat 357

<210> 2988  
<211> 401  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R92768

<220>  
<221> unsure  
<222> (1)..(401)  
<223> n = a or c or g or t



<400> 2988  
acagtaccat agtattccac tgtctagtat actataagtg anctatatac caataatgaa 60  
tacttaaggt tgtttcaaatt cttttattat tagaaaaagtg ctgccagaaa catccttgcc 120  
atgcttctgt atgtactggg gctagtgttt ctatcagata aatttttaga catgaagtga 180  
attactaggc ataggnataa taattttacac ttttgataga tactgagttt ttgctcattt 240  
gctacatgaa gcagaggcag agtattctgt gtgggggttt ggacaggaac actgacccct 300  
gaagtcgagc cgggggggtct aacatagggt ggtcatttgt ccagcctgtt ttatgggaag 360  
ggaactggga ctctgagctt tgggggggaat ttcccgaag g 401

<210> 2989  
<211> 328  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R92994

<220>  
<221> unsure  
<222> (1)..(328)  
<223> n = a or c or g or t

<400> 2989  
tgagccaaaa tatatatact taatttttagt tatgccagaa gtaagtataa tttctcagtc 60  
caaggatggt aggaagcaac ttacagagca tgcttcaaatt agantttctt tggcctttga 120  
aggtaactat tttcaaactt aatagtagag tcaagcaaga ntggacaatt agagtttnca 180  
aanttgaaaa ntattatgta ttttatataa tcattaccta tggtttacag attttatttt 240  
tatgatacat atctctaagg taggtgggta cactgaggac ataggcaant atgccataa 300  
atacttattt aagctggaag tgancata 328

<210> 2990  
<211> 334  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R93507

<220>  
<221> unsure  
<222> (1)..(334)  
<223> n = a or c or g or t

<400> 2990  
attnncatg catttggtac tcaagaaaat aaacatacaa ccacttaaaa tacagcattc 60  
acgttggtcac tggtnctgtg tatcaggtaa ggaaaaaatg atgctcatgn cctagaatt 120  
tnccatgtac atgtcagtat cctaattgct acagacttcc tattaatttt gttatcagca 180  
tctcccacct aaaaacatat actacattat gttctgggtc cctgaaattt cattactaca 240  
tacagtgtta atttttactt ttcctcaagt ttaatgtaga catacaagaa ancatcaagg 300  
caatgtttat tgtgcaattc caatccatta tttg 334

<210> 2991  
<211> 431  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R93714

<220>  
<221> unsure



<222> (1)..(431)  
<223> n = a or c or g or t

<400> 2991  
aagtaagang gnnnnaanac ccactggcta gaagccctgg gtgactttga agagagaata 60  
ctgcttggat gtgttctcat tgttgatttt cgcaagagac tcggtggcag cctccagcac 120  
ttggtgattg gaagagtcag tgggtatgga gcttgggcag tcagggcacg tcatgtaaat 180  
cttttttttt gaaattgccc gtctgtattc ctggggcgtc gttcactcgg ttgagtctca 240  
gcacatagcc atcctttctg tctttgttaa tatcccgcag gcaaaagcct gcaactgcca 300  
gcacatcgga gtcattgcag ccccgggaga gcagagccga ggggttgagg ggccagctng 360  
gggttggaga cattgcttcc gnagcacagg acttgggatg cagagtncca gggggaaggn 420  
gcagaccctt t 431

<210> 2992  
<211> 489  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R93776

<400> 2992  
gctccccaat accagaagtg agttcggcaa agagaaggcc acggagaatg accccatttt 60  
ggagaggggt ttccctcagg cctattggag cctcctgccg ggatgattct gagtgtatca 120  
caaggctatg cagaaaaaga cgctgttctt taagtgtggc ccaggaatga tgtacatacc 180  
agggaaagaa ggacagcagt cacctccgac aatgctccgt tctatggaat attgattaac 240  
tgcatthttg ctggagacac ccaagtgaag caatcttgta tttttaatat ttaaaggcag 300  
atgtacgctt taaattggtc tccatttctt cttagaatgt tgatatatgg ataaggcata 360  
actaaacttg ttcaatttag gagtttattt ttctatgggt actatttaaa tgtctcaaat 420  
tggaattttt agcagtctgg gatttcaagc ttttgagggg aaaggagggt tcacttttgt 480  
atactaaag 489

<210> 2993  
<211> 223  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R93908

<220>  
<221> unsure  
<222> (1)..(223)  
<223> n = a or c or g or t

<400> 2993  
catatatnna atantaaaaa tcctgggagg cattgcactg taatagtaag tctgcccac 60  
caggntcatg catgtctttt ctttcattca agtcttattt tatatctttc agtaaatattt 120  
catatagatc ttgtgaatcg aattattttt acatttcaaa ttcaactaac aattattaat 180  
aganaatgaa aacattgatt tttttcaata tttattttgt gtc 223

<210> 2994  
<211> 500  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R94662

<220>  
<221> unsure



<222> (1)..(500)  
<223> n = a or c or g or t

<400> 2994  
aatgaagatg gctctctgca gaagaaatta aaagtctggt tccggattcc aaaccaattt 60  
caaagcgacc caccagctcc cagtgacaaa agcgttaaga ttgaggaacg ggaaggcatc 120  
actgtctatt ccatgcagtt tgggtgggtat gccaaaggaag cagactacgt agcacaagcc 180  
acccgtctgc gtgctgccct ggaggnacaa gccacctacc gggggggacat ctacttctgc 240  
acgggttatg accctcccat gaagccctac ggacggcgca atgagatctg gctgttgaag 300  
acatgagtga cccactgaac caagaactta ctgggaagtg tgcctctgtg tctccttcct 360  
tcgggggttaa ggaggggaca gtgcttccca agttccagtt ncaagtccaa tttaaccaat 420  
ttcctttcaa agtnagttaa ttgccathtt ntgaaaaaag gctgtttcct attattagtt 480  
ttttnttcac agtgggnatt 500

<210> 2995  
<211> 377  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R94674

<220>  
<221> unsure  
<222> (1)..(377)  
<223> n = a or c or g or t

<400> 2995  
aaattactaa aatgtttctc atataacagt aatgattatt ctaagcaact gcatgagcct 60  
tggaagattc ttcattctta acacatgttc ctctttcaga aaatatcaaa actctcattt 120  
ctctgttgtc caccttcctc ctgaggggac tcaggccaca caggggggtct cttctgactg 180  
agaatccna atactganga tgtgggcatc accagtgata tgggtttggg ctatgtcccc 240  
actgaaattg caacttgaat ttatcttctg ggaattccca catgttgtgg gaggggaccc 300  
gggggggaggg tcatcgaaatc agggggggcc agtctttccn gtggctattc tcatgatagg 360  
taaggtctca tgaggat 377

<210> 2996  
<211> 179  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R95966

<220>  
<221> unsure  
<222> (1)..(179)  
<223> n = a or c or g or t

<400> 2996  
acgggggagag tgaggaggaa agaggaaagg aaggccaggg tgggaggaag gancagctaa 60  
anctgagggga agaagaagga aaggagaggg actattncat agcagatgca aatgaagggg 120  
cttgggggcta gtcaggaaga aagggaagg gaaggaaggc aagagagagg ggtgaaggg 179

<210> 2997  
<211> 389  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R96417



[illegible]

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<210> 2998
<211> 354
<212> DNA
<213> Homo sapiens
```

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<220>
<221> unsure
<222> (1)..(354)
<223> n = a or c or g or t
```

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<210> 2999
<211> 252
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> unsure
<222> (1)..(252)
<223> n = a or c or g or t
```

```
<210> 3000
<211> 334
<212> DNA
<213> Homo sapiens
```



<220>  
<223> Genbank Accession No. R96924

<220>  
<221> unsure  
<222> (1)..(334)  
<223> n = a or c or g or t

<400> 3000  
agtaaaactttt attnggggaga tgggggtgaat ccatcactgg ttactggaac cctgagtctg 60  
catttttctcc tcaggaaggc ggtctgaaat ggagtgggct gtgtttggca agggttgtag 120  
tggttttgaa tctctcacct gcttggctcc cgagctgggc ctcaggctgn tctccccaga 180  
gtaaatgccc gggatcattg aggaagcgtt ggctgcgctg ggcatgttag ggcaggtctg 240  
tacggtccag cgctgtcccc tgcagcgtct ctgggcgctg ggggtgcaggt naggcccnng 300  
acgaggaggg aagagcagcc tcgacagaga gtcc 334

<210> 3001  
<211> 396  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R97176

<220>  
<221> unsure  
<222> (1)..(396)  
<223> n = a or c or g or t

<400> 3001  
ntanacccat acttttttatt tggttaatttc atcacccccc tttttttctg atgtgggtccc 60  
caccacctct gacatgcacg cattggctag ggcctctcac actgaggctc cacgcgaagg 120  
gaagatgcaa agtccagtc ctccaggagc tagtgatgga agtcttgagg aaggagagtc 180  
ccaagttcaa gaagacagct agggtagaag ggagggagggt cctcaagggg tagaggacag 240  
gagtccaagg aggtgggctc aggntgcggg gtgggcgcct caggagagagc ccagaaatct 300  
ttccaggggc agcactntct tggaacaggg gctnttgcac ttnacgggta ccccgcatct 360  
tttcattccc caaccttcag ttgggcccc cattgc 396

<210> 3002  
<211> 392  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R97302

<220>  
<221> unsure  
<222> (1)..(392)  
<223> n = a or c or g or t

<400> 3002  
ncatgtaact ctctcagtct tgtcagaaca caacttctgc tatggaggaa atattttccat 60  
caggaaaggg ccaagttagt gtcttaactt gactgccttg aatggggact ctggacccca 120  
ggaagaatgt atttaggctc ctcaaaaaa agagtgatgg ctgggcaaaa caaatgtact 180  
gcaagaccca tcttccctcc agttaataca ctcccaggga tgggctgcag agggggagac 240  
tctgagagaa gctggaggcc cacaaaagtc cactgacctt ctttctgtcc cagaaatgan 300  
taaaggacca gttggtgctt tccttccaaa atcctcaaca aaggtggttt gtgctccagg 360  
aaaatgtggg ggggttaaaaa aatcatgtcc cg 392

<210> 3003



<211> 349  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R97419

<220>  
<221> unsure  
<222> (1)..(349)  
<223> n = a or c or g or t

<400> 3003  
tttctaacat ttaatctcca cttaggggaat tggagggtcag aaatgaataa aataccatgc 60  
cccagtaggc tccagtctag ggaagtgggc agcaggcaga aaccaagaca cagaaagcaa 120  
cgacacataa cagatatgct atgatacaaa tgggtgctgca ggagctgcac agttcggagg 180  
ccattttctgg ccagaggatg ggatgcgtga aatccaggaa ggcttccagg aaggagtagc 240  
tggcactggg atgggcagga acagcaatgt ctctactgat ggtttcattg gagaaagctg 300  
gcaaagttga gaagtttggga gactaaccgt gacaaanttt aaacatcag 349

<210> 3004  
<211> 454  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R97711

<220>  
<221> unsure  
<222> (1)..(454)  
<223> n = a or c or g or t

<400> 3004  
gtggagactt aactctgtca tggaactccc tgattatggt atttntctgaa gttcacaaatg 60  
ttatgtattc taaagggaaa aaattaacca gccatggctt tccagggnaca atctttgagg 120  
aaggaagtga gactgtttac cgtgttttct atcagaaaag gaatgttttc agctcatctg 180  
cacttggatc aatattttta tctttgggta tcatttggca ttgctgtcac tggagctgca 240  
aaaaacatgg gaggagccag gataacccaa aattctcatc ctgcactttg caaaagagag 300  
gacaagctgg ggtgtcgtc tgtcatgtgt ggtcccacct ccaggggagct tggggccagg 360  
gaggggaactg ggggaatgcct atgcccattc agcaataggg cgtcccgagg ggcacngggg 420  
cagaaagnca tagaggggagg gggaggggaga antt 454

<210> 3005  
<211> 452  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R97759

<220>  
<221> unsure  
<222> (1)..(452)  
<223> n = a or c or g or t

<400> 3005  
acatgactct nnncnataca tctgttgata agaaacccaa gattaattta gacagggtgca 60  
ttcaataagg gcaggggagg ctagtgcacg tcccggccgg cccaggagga caggaaaaca 120  
tactcacga agtcatcctt ggccccgagc cgctttgtcc tgtccttctg caggaggccc 180  
tccaggggagg tgtcttgagg aatttgtaat atttggtttc agctgggaga ggcttggtca 240



```

ggaatgttgt cgtacatttc agctgtgttt cgggctataa aaaagggcgg gctggaaaga 300
aggggggaaa attactttta ggacttaatt ggggaagttt tcatatgggg cacacattta 360
cccagtaggg aggaaaaagg atattaaacg gggcaataaa tatttagggg ctccgatttt 420
tgaggggaact cttccccccac cctncaatgg ct 452

```

```

<210> 3006
<211> 487
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R97798

```

```

<220>
<221> unsure
<222> (1)..(487)
<223> n = a or c or g or t

```

```

<400> 3006
catctcagcc tntttacntt catctcagcc cagcacttct gttggggctg agatggaagt 60
ctcggaaggt gctctgagga ggtgtgactc tccctggctg acaggggaag gcttagcaga 120
gctttgtctt agaggagtag atgaaaagga aagtacagag agggcattca ggccaagtca 180
gcaacacaga caaagtcagg taatgtgggt taagtgcatt ggtgatgagt aaaggggatg 240
tggctagatg gtgtgagtggt gtgtgtgctt gcatgtgtgc ctgtgtgcgt gtgtgtgcat 300
gtgtgtgtct gtgtgtgagt gacagcaaca gcaaagggcc cgtcatgagt ggctaagacc 360
agatgtaggg tagacttttg agggggctgc taaggatttt catagggcan tggggaacca 420
tgaaccttcn ctagggcagg gggangagcn ttccggaacc natccccgaa ctttntccat 480
tgcaatt 487

```

```

<210> 3007
<211> 405
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R97804

```

```

<220>
<221> unsure
<222> (1)..(405)
<223> n = a or c or g or t

```

```

<400> 3007
tttatgtntg gggcagcttt ttaaccagc acagaatact atactatacg gtttgtgaaa 60
gcttcactgg caatattagg gaatgaagaa agttgaattt accagaagtc acctcagaga 120
atagtaagta taataaaagg aatatgtaac aagccctgg ggacaattgg tagagaaacc 180
ctgttcaccc actaagaaaa aaaaagcagg ctggagtaat agatgatttt agaaagggga 240
gacaaatgag cagtggcagg gcttcagtta gggtcccagg gagcacaggc attagaacta 300
cctcccaggg agactcgttc cctgcccttc actagagtag gcagaactaa gagtgcctga 360
gttgggaatc tctgggggggt cacatgacca catagggagg gaggg 405

```

```

<210> 3008
<211> 489
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R98073

```

```

<220>
<221> unsure

```



<222> (1)..(489)  
<223> n = a or c or g or t

<400> 3008  
ggagaatctg ctgccagctt caggcagacc tttctgtcct tgcgtgtcaa agccagactt 60  
ctaaggagta gtgaaagaaa accctgaaat aatcgaacag gaaaaagttg ccctcaagcc 120  
tgacctggaa ccgttcctca ccttcacatc caccatgccc tgctatctcc agctgctgag 180  
cantgaaggg tgctgcagcc ccttcccttc cagcccacaa gtgtgtgcat attgagctcc 240  
tgctgtggtt aagcactgca acagactcta ccagagatgc aaagagaagc gagagagggc 300  
accttgttct ccaagaactt acttgttcca atcatgctgt ggggtggcatt tcctttggaa 360  
gatcatngaa ggaataggcc aaactttgtc ttttgagggg tggaattttt gaacactttt 420  
taaaataatt caggaagttc acttgagggg ncccaaaggt tagttggaat taantttcaa 480  
ggttgaatt 489

<210> 3009  
<211> 452  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R98074

<220>  
<221> unsure  
<222> (1)..(452)  
<223> n = a or c or g or t

<400> 3009  
tcacttngga tagttaaaca tttatttcaa taatgctacc attgctcaaa acattcttta 60  
catcttttct tngggattgc cttnggagtc attgtataaa tcattaaaaa aagcagactc 120  
attgcttttag tttagtgttg ctctatcatc ctcaagtatc tagcttagtc acttgaatta 180  
ttcactagct ttgggtctca gtgacttctg attattttta agngtcaa atcaccctcaa 240  
ngacaagttt ggctattctt catgatcttc aaaggantgc accacagcat gattgggaca 300  
gtaaggttct ngggagaaca aggtgcctct ctcggcttct ctttggcatc tctgggtagg 360  
agtctgttgc aggtgcttta accacagcag ggngetcaat atggcacaca cttnggggcn 420  
gggaggggag ggggctgcgg cnccccagcc ga 452

<210> 3010  
<211> 261  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R98105

<220>  
<221> unsure  
<222> (1)..(261)  
<223> n = a or c or g or t

<400> 3010  
agtannatac cacagagaat agttgggatg aaaggcatcc agccccctgct tcctttaaga 60  
tggcctctag gcagggtggg gttctgtaag cctggcaaaa attctggagc caatctctgg 120  
caaggctgag tgccaggcgg ggcttaggga cccagggtcg gtgcttaatg cctccccgcc 180  
attggaaatt actgacctcc aaatatatat atatatatgt tttttaattt aaaggggaag 240  
tacactgcac accttcctcc a 261

<210> 3011  
<211> 424  
<212> DNA  
<213> Homo sapiens



<220>  
<223> Genbank Accession No. R98413

<220>  
<221> unsure  
<222> (1)..(424)  
<223> n = a or c or g or t

<400> 3011  
attaagatat caacgaggta cttcttggtt ttattagata tgagaattat caattcaagt 60  
cagaagtgcc acaaccactg ccatattaga aagattagta cccgagagcc cagactgtca 120  
cccggtctgga ggctctctgc cgatggctcc cagggaccac tgacctaatc aagggcctcc 180  
tccttcacac gccaccctcc accccaaccc ctttatgcct tcttaaagtc cttcagggag 240  
gggaccaccc atcaagattg tcctttctgg gcacctaaact cttctgtctg ctagaagaca 300  
gcaatgagac tgtccctaca acgatgatgc ttatggtggc cacatctcaa aggaagctga 360  
gaggggtctn agccccgtat tnttcacttg gggagggcag aacccaaatt ttagtaaagt 420  
aagg 424

<210> 3012  
<211> 323  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R98624

<220>  
<221> unsure  
<222> (1)..(323)  
<223> n = a or c or g or t

<400> 3012  
ttaattttat ttttaataca gattttcagt aagggggcatt ttcaacctaa ttggntctat 60  
tttcttgat ttncatttt aatttgettc ataacttaaa ccaaggctct tccagtctta 120  
gttattatgt ctcagttatg tgccaatggg catgttttta agaactgaag aggtaattta 180  
ttgcaatgaa ctaactgacc tcctccattc cttctttcct ttttgacatg aattttacta 240  
ccccacaaat gaaaaatgat gttgcaaagt tactgtggtg aagttgaaaa atatcactaa 300  
aatgattata atttaggtat taa 323

<210> 3013  
<211> 382  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R98774

<220>  
<221> unsure  
<222> (1)..(382)  
<223> n = a or c or g or t

<400> 3013  
tgggtcatga annccnantg aaattttatga gaaagctcag aaaatattca gttttcatag 60  
tcccatgatt acatactcct gttcatgagt actagtaaaa ggttgattat gccagagaat 120  
ttctataata agcattagca ggaacccaat accctgtcat aattcagtaa ggtttatata 180  
ttttggcaaa atcaataaat taggcattca gcaagaggca atgtagaggc agtcattctt 240  
gcagtgtaaa gatctttttg gccaggcacg gtgggtcatg cctgtaatcc cagcactttg 300  
ggaggggtga ggtggaccga ttacttgagc tcacaagttc gagaccagcc tgggacaaca 360  
tggtgaaacc ccatctctac aa 382



<210> 3014  
<211> 325  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R99014

<220>  
<221> unsure  
<222> (1)..(325)  
<223> n = a or c or g or t

<400> 3014  
gatgtaagtt gaagganttg agagtgtttt attatagcaa tgtaattcag ttctttgaat 60  
tcctttctatg ttatatgtca acatttgtgt aatgggtctat tagcaaaaat atttttaatc 120  
ttcgggcaca tgacaatttg ataaagtcct tcttcatttc ttttaaacag tgaactaggg 180  
aagcacctga ctaggcaaaag agatttgttc tccaacaatt tgaataattt actttctcaa 240  
tttctgggga aggtatacca agaggagctt tactaaggnt tcatcaaatt attgtttaatt 300  
gtgccggtaa cacttggtac ttagg 325

<210> 3015  
<211> 474  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R99591

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<213> Homo sapiens

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<223> Genbank Accession No. S72904

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<211> 2403

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. S90469

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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. S95936

<220>  
 <221> unsure  
 <222> (1)..(2338)  
 <223> n = a or c or g or t

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 aaaaaaa 2347

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<211> 250  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T03313

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taataagtaa aaattacaac attcttctcc cagcaatgaa caatttcatt ttttaaaagt 180  
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<210> 3042  
<211> 322  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T03438

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gctatgtggt agttggtctc cacaattctc tcaccctcca gcaatactct ctgtctggct 240  
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cccctacagt ttggcccttt ct 322

<210> 3043  
<211> 252  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T03441

<220>  
<221> unsure  
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<223> n = a or c or g or t

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cacataaaaag gggaaaaaag cccacccaat cacagaaatg aggcatcccc ggtatgtttc 180  
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tccaatggat tc 252

<210> 3044  
<211> 304  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T03541

<220>  
<221> unsure  
<222> (1)..(304)



<223> n = a or c or g or t

<400> 3044

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ccagaaccga ggaaagggct ncctgcccct ccaagtacac aggggagcct gaggtactga 180
gaattaaaaa ccagggaggg actcccaggc caggcggcgg ccccgggccc tctgccccac 240
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gncg 304
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<210> 3045

<211> 275

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T03580

<220>

<221> unsure

<222> (1) .. (275)

<223> n = a or c or g or t

<400> 3045

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ggtggggaca ggtgcaaact ggagagggcct agagagctag agaagcaagt aaggggccagg 180
gccagagtcg gtttcatttg aacaacagcc cattnccctt aaggcccctt aattttttgtc 240
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<210> 3046

<211> 169

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T03651

<220>

<221> unsure

<222> (1) .. (169)

<223> n = a or c or g or t

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gtttacaagn agaaagaccn tgnttgngga caacagangt tcactaagg 169
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<210> 3047

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T03749

<400> 3047

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agccaactat cctctaagcc acagcttggg aagctaggct agtactggg tgggggcagc 180
agagctgaga cctccacccc cgagccccta gcctgtgcta tcctcccagc ctgaggggga 240
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ggagctgagg caatcctggc tgcagcctcc cacacacagc cctgctcttg gtgcgccatt 300  
 cactgccctg agctattcat gatctctgct cccagatatt cacctcaaca ctccaaaagc 360  
 cagccccctc aggtcttcag tctgcgga ggcaaaaagga g 401

<210> 3048  
 <211> 371  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T08879

<220>  
 <221> unsure  
 <222> (1)..(371)  
 <223> n = a or c or g or t

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 ccgtctttgt caataacatg gtgcgagcac agaagatcca ggccctggac cgtggcacag 180  
 ctcaagtatgg agtcaccaag ttcagtgate tcacagagga ggagttccgc actatctacc 240  
 tgaatactct cctgagaaaa gagcctggca acaagatgaa gcaagccaag tctgtgggtg 300  
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 ccagggcatg t 371

<210> 3049  
 <211> 339  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T10108

<400> 3049  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T10264

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 gatatatata tgtacaaaac aaatagatat tactatctga cacctcaacc catgacttac 180  
 cctaaatctc ctgatatgaa caattaatct actgggaggc ttttcccaat aagtttcaaa 240  
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 cagactattt caacttaat 319

<210> 3051  
 <211> 319  
 <212> DNA



<213> Homo sapiens

<220>

<223> Genbank Accession No. T10316

<400> 3051

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<210> 3052

<211> 299

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T10322

<220>

<221> unsure

<222> (1) .. (299)

<223> n = a or c or g or t

<400> 3052

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aggaggactc aagtgattac tagagctgca agtgtttctt agaattgaac caaaaattgt 240
tttttcccaa ctggttcaaa tttcctctaa gtgcagggtga gaaaaaaggc aatttatatt 299
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<210> 3053

<211> 232

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T10698

<220>

<221> unsure

<222> (1) .. (232)

<223> n = a or c or g or t

<400> 3053

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gtgtcagaag ccatcagagg agtggataga cgctgaatac taattcagga agaaccgcac 180
gtcgtctgagt ggccagtggc cggagcggnc cagggttcac aaacttctca ca 232
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<210> 3054

<211> 237

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T10822

<400> 3054



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 tacaaatcta ctttacagaa atttgaaaac tttaaatatc aaaaggtaca gctgaagaaa 180  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T12599

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<210> 3056  
 <211> 190  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T15442

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<210> 3057  
 <211> 223  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T15473

<400> 3057  
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 ggaatatccc agccctcagt tctgcttccc tttctgagtc ccacaaaagc cagatgtgga 180  
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 <211> 282  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T15477

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 tttttgtttt ttttttaaac aaatggagaa aagacagacc agccaggatg acttcccaca 180  
 gggaagggat ttaagggtg ccccatgaa tttcttcagg ccacggcagc tacttctctc 240  
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<210> 3059  
 <211> 281  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T15482

<220>  
 <221> unsure  
 <222> (1)..(281)  
 <223> n = a or c or g or t

<400> 3059  
 agtgtaataa ttttattaat aaaacgaacc catagggttc aaacaagcat acaaagtaat 60  
 tcccttccct gtgggttaaa ttgttacatt tttaataata aaactaagan agctttcata 120  
 gtttaacttac caaaaacata acgcttgccct attgtttctt actgtgcaaa acaaaaaccaa 180  
 agttttgccc acagangnt tttgtgcacc aaancatgca catttncaat ttcaaaattt 240  
 ctgcatcaaa atgnaaattc caaggccacg tttttgtttt t 281

<210> 3060  
 <211> 305  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T15674

<220>  
 <221> unsure  
 <222> (1)..(305)  
 <223> n = a or c or g or t

<400> 3060  
 gcaacgcaag gtgctcttta ttgtcagcga gagatttagg ccaaacgggc actgaggctc 60  
 cacgtggccc aggccctctt ccgtggaaga gaggcaagag ctggtttcag gattcagagg 120  
 attcctccgc tcacgcagca ccattgcaaat atagagggtta aaaactttct ggnatgtctc 180  
 tggcttgaaa ccaactgggc caacagggtc cacaaccact ctcttttttg atcactgggn 240  
 gacaccagaa atgctgttag agtagttagt ctgagtccac ccngggccaa attctttgtc 300  
 acctt 305

<210> 3061  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T15852

<220>  
 <221> unsure  
 <222> (1)..(194)  
 <223> n = a or c or g or t

<400> 3061  
 ggaaaaatgaa cagtaaattt attgaaactg gtttaggggc aggggatggg aggacagctg 60  
 ggggtttttcc aaagagaact gagggaggag ccagcgcccg gccaggnggg agcgggtgcc 120  
 tggccacaga ccctatctca ggcccagctn cttctttccc tgnctnctac ttgaggacca 180  
 cgtccagatt ccgg 194

<210> 3062



<211> 332  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. T15903

<220>

<221> unsure

<222> (1)..(332)

<223> n = a or c or g or t

<400> 3062

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ccagatgcct gtaattttatt tccaaaggag agctacagca cataggaaaa tacacatggc 60
ttttcagtct acattttttac agagaaaagt gtttcgggtca ttggctttct cagtgccatc 120
atcccgttcc atgaggctcc aggggtggatg gcctggttcc aagatccccc tttcaaagca 180
gcagctttgc caaggcctct gggggttagga gtgaaggcca gcgaccccca ttttcgggtg 240
gaggggtgga cattagcagc actcacttta aagctaaggc aaagattaga gcttngtggg 300
ngatgccttc cttttcccca ggggcattggc tt 332
```

<210> 3063

<211> 365

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T16175

<220>

<221> unsure

<222> (1)..(365)

<223> n = a or c or g or t

<400> 3063

```
ccacgttgct gttgttttaa gaaaaaaaaac aaaacaaaaac accacagatc aagtttttcta 60
acacctcagt ttcaagattg cacgtttcac atttctcagt aatttacagg cgtccacagc 120
gagatgttgc ttagtgctag ctggaggggc aagctcaggt ctagaaggga gagatgggtc 180
cggggtggag aacacagtgt ggccccaggg agtcttgag ggacccaagg aagcagaggg 240
ttttgtctcc agtccttttg gaggggtcct ctctctctcc aggactcatg gctctttagc 300
ctaggggatg gggaggcagg actgttggca gcaacctnan caagcctgga tatgggttcc 360
agagt 365
```

<210> 3064

<211> 290

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T16206

<220>

<221> unsure

<222> (1)..(290)

<223> n = a or c or g or t

<400> 3064

```
cacactacaa tagttaattt aatttgnca agagctcaga ttgcaagcat taaaccaagc 60
atatggcttt aattctntaa gcccaaatcc acatattgaa gaagatcaaa gcaaactgtg 120
atccatgtac atggttgaaa actaaaggct cngttaaadc acattgtagt tttnaaattt 180
ctacagccta gagctcacta gtcacaggtc tttaaggctc ttctggttgt cccacagggt 240
atctgcactt tctttgagct gtgcaacctc atcatcctta agcttctggg 290
```



<210> 3065  
<211> 252  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T16226

<220>  
<221> unsure  
<222> (1)..(252)  
<223> n = a or c or g or t

<400> 3065  
gggcaaagtg aaccagccc cagtttatta gaaaagggtg gaacagagtt gcaccgacag 60  
gagtagcccc agccctctgc ccaccctcac ccacacccat gccactcgcc cccaaagggc 120  
tgtagtgccct ctnagggcgc agctccagtg gcctggacag cagggtcccg gagtgccggc 180  
tgctcccgcg ccagctccct gatagattta ttgcacttga gaaaaagaaa gctctgatcc 240  
tctgtcccca tc 252

<210> 3066  
<211> 373  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T16269

<400> 3066  
ctttcagctc atttctttaa taaggagacg cattcattac aaaataacaa tttgacaaga 60  
gatcagacaa gaacaagagt ccacataagg gagatggaga gcattgcca gcagaagtgg 120  
gaatgagagg gccgggggca agggctgtac atgtgtcctt cctatggaga cgaaggcagg 180  
gctcctgggtg ggctgacctt gggaagtag gctctgccag gccctgattt tgaagttttc 240  
agccccaggg ttttcagaaa gcagcaaata aagtccttag atgggcagga gtcagggcag 300  
aagggtcact atctttgaag agggccccct aaagtctga tcgctaaggc aggtggggat 360  
ggaggggactc ctg 373

<210> 3067  
<211> 321  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T16306

<220>  
<221> unsure  
<222> (1)..(321)  
<223> n = a or c or g or t

<400> 3067  
ccatgttcat ttttatttaa agactcagaa acacaggcat catggtttgt catcactgac 60  
aagtcttcca aaatcacacg ctgacatttg tgtctaacaa aaacacttgg gatagggtgt 120  
gtgtgtttgt gtgtgtgaac tgtgcaaagt acaaaggatc tcccagtcgg ctgagcctgt 180  
tttgaagtgc ccggtctggc atcacccat gaggatgcca ggngagcacc cgtggccgcc 240  
atcctctctg cctccctctg ggcagaggcc cctgggtggc tgcagtctg tcccctcggg 300  
gtccactgac ttcagccatg g 321

<210> 3068  
<211> 340



<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T16308

<220>  
<221> unsure  
<222> (1)..(340)  
<223> n = a or c or g or t

<400> 3068  
aaaaatgttt ttattttaatt aaaaaaaaga cagancaacc aacccaaaac cagtagtagg 60  
tactgngtc acaggtgctt aactggcgaa acacacaggg gtgggggcga gggggcggt 120  
cgggaggagg gagagaaggt gggcacaggg caccacatcc ccccggtggg tgtaggtct 180  
gagatgcagc gggaggggcca ggaatgggag gccagggcc cagggtcccc ggagaccag 240  
ctggccgcgg ggagaaggct gagaaggccc ggtgtctna ggtgggtttg ctcccggtc 300  
gtccccctct tcctactctt tcttggtccc taggttgggc 340

<210> 3069  
<211> 346  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T16478

<400> 3069  
aaagcaatgg aatcaataaa tttattaatg ttacattaac acgaactaca aagagacctt 60  
tcgtatgtct gataccaaag acataactga aaagtcattt ttccaaacct tgagcttgca 120  
ttcacctacc tgtctaacc tcacatgtgc taattaactg caaatgccat ttctgggctt 180  
cacacacatt ccgtggcttt cctttttctg atgtgacttc cctcccttac cccacacctc 240  
cctgcactgt cccctgctgt gcccttggct ggaatgccct gcagcctgct tcagcccagc 300  
aaagtattca tcttaccagt cccatgccct gactcctgat gtcacc 346

<210> 3070  
<211> 288  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T16484

<400> 3070  
aaaaataaag cctctttatt ggtacctgta agctcaggta caaggtgttc ccacaagcac 60  
acaggctggc aaggcctcct gggcaagggg caggcccgga gcctgcgttt cttggcacag 120  
acacagagag aaatggaata aattatagtt ctgacactca gggacaatgt agaaattatg 180  
atgcaaaatt aaacattagc aaacaaaggg tataaaaacc ctcaggagcc acccctcgcc 240  
aactggcctc agggcatggg cagggtgggc acggttgaag tgcagtgc 288

<210> 3071  
<211> 244  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T16550

<400> 3071  
cacaaaatgg atttttattg tggatcatca tggtttctca gtgccacaga aaattgctat 60  
gtagggacaa aaaatttttg gatggctctg taaagaaaca tggtaggttt tcagaaatga 120



gttgtgcagg aatgtgggta atgaaaagca gaaaggggta aggggaagaga aaggaagcca 180  
aggagtgtgg tatgtacatc aaatgattac tttttaagcc cctctaggct ctgataaccc 240  
tttc 244

<210> 3072  
<211> 266  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T16652

<400> 3072  
agtgtggcag atgtttattg agctagagga ggagagctga gctgagccca gcctgatcac 60  
ctcctcagag actcagcatt gtgaattgcc cctacagggg catttttata cagcatgaag 120  
tagccctgca cctgggcagg actgatctgg tttgtagctc gaaggacatg ttctgcaaag 180  
ttctcagcta aggaagggtgc ctgccctgga tagaacctct ggaacatctg ggctcagctgc 240  
cagtgtgagc agtagcccac gtactc 266

<210> 3073  
<211> 269  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T16983

<220>  
<221> unsure  
<222> (1)..(269)  
<223> n = a or c or g or t

<400> 3073  
aaaaaacaag ctttaaatcca tttcataaaa nttgtccttg caattganca cagccaggcc 60  
cacatgcccc gcaggttgca ggngacagtt tcacatttnc caggctcagg acagggcagt 120  
ntcctccaca tgccacaggt gtctgagtga cagtgtagac gcctgatggg caggaggtag 180  
gcacagatga tctgaagggg tcacttattt aaaagtctgc aactccagtt caacggncac 240  
cttaaact gtcaggcacg tnccccaag 269

<210> 3074  
<211> 394  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T17066

<220>  
<221> unsure  
<222> (1)..(394)  
<223> n = a or c or g or t

<400> 3074  
agttttnnac atattgttaa aagactttca agaaataata caaactggag atagtagata 60  
cacaggctcc attctaagaa caaagtctgt tagaagcagg aacacttgga caaatatggg 120  
atgggaggga tgtcaggccg aggttagagt ggtgatctct cccaccctt tagggccttt 180  
ggagggtggag aagggatcct gcctgctagc accacattgg aagggatcat ctgggtccaga 240  
acccccattt ctatcaacta ggagctgggg ggagtagcta gccagagac ttcgggtcag 300  
ggttcancaa tcagggaaga cccagttcct gngggaaacg ncagttcaag aagngtttgg 360  
gaagaaggct gtcctctaaa gaaggccgtc ctct 394



<210> 3075  
<211> 248  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T17339

<220>  
<221> unsure  
<222> (1)..(248)  
<223> n = a or c or g or t

<400> 3075  
ctgtaaaagc atttcctctg aatattttat tcagaaaaaa aaaacacaaa aagataaggc 60  
aganacaaaa attccagtca tttgcagtat ctgtcggctt tcaatttggt tctcttggtt 120  
aaacaaagaa aaatagtaaa attaattctat gtaaaacatg ccatatatat tcaactgcta 180  
ctaaatataa aangctttta aactgtgtgt tcaattgtgg ttattgtatt accncaacac 240  
atattaaa 248

<210> 3076  
<211> 325  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T17353

<400> 3076  
aaaccaaaaa tattttattg ctgagtcato ctgggggttc ataaaggacc ccaagccttg 60  
cttggagtct atagctttgc taggactccc atgacatcag gatagagatt gaggcacggg 120  
gtcctttggg ttccgattaa ggaactatct actctgattc tgttgatctt attagtccct 180  
ccaggtcacc tctacttcat ctgtccgata cctctgtgta accccagaat cactgagtgg 240  
ggtcctgtgt ccagcccga acatctccca gccagcctgg gctatcatcg ctccattgtc 300  
aatacagaat ctctcatctg tagca 325

<210> 3077  
<211> 319  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T17411

<220>  
<221> unsure  
<222> (1)..(319)  
<223> n = a or c or g or t

<400> 3077  
gccttttnaca ggaatgtttt attgtctctn cctggncctt taacatagca tatgaggnga 60  
aaacactgct ttagtaaaaa tggaatactc ttggttacat gaaatcccat ccctcgtcct 120  
tcagggtccac tggaggagaa gtccctcatt ccttgggatt ggtgacgnca gccgtggtgg 180  
aataggagta ggggntcagc agggcggcaa tggtntagcg gcgggggccc gagtcgttgg 240  
ctgtgaatac cacctatgag agaagacagn cagatccntt tccaccagag cccgnaaanc 300  
gtgacagtgg acacacatg 319

<210> 3078  
<211> 319  
<212> DNA  
<213> Homo sapiens



<220>

<223> Genbank Accession No. T23426

<400> 3078

```
tttaaaataa tgaatcataa atttttatttc aaaatgtaaa cgtcactaaa catgcataca 60
cggttaaaaca ataaaatttta caatttcggtt aatttttctt tttggatagg acatcattac 120
aatatagaat ctatgccata caaaatacat acaaagtttt atccgagcaa gccaaaggcca 180
gactgggaac tgtacaactg taataacttca ctgtagtgat ccaggaaaga tgaaacgtgg 240
ccttcggaat tatggtgggt gctgggttaa aaaaagttcc tacagaaaag aaaaacatga 300
gctccatgga aatggtctt                                     319
```

<210> 3079

<211> 337

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T23430

<400> 3079

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tttaatatatt atcaacagta tatttgacaa aaaccacccc caatcgatgg cagaaagcag 60
tatttttctag ctggcactga aacttaacct atttttttgg gggagaaaaa gactaaaatg 120
taagcactaa cttcctcctt ctgcatcttc cacagaagac ccacttggtg gcattctctt 180
tctgtccggt atcagtggtt ttacatccga aggccggcgg caagacactt gaaccacaaa 240
caccagacat gcaggtgtct caaatggcat gcagattatt taaaggtgca tcacttggtg 300
agaagcttct caaatttctt gacttgctcat aaccagg                                     337
```

<210> 3080

<211> 249

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T23465

<400> 3080

```
tttcgcggtg gaggatcagg tttaatgggtc actatgaggg tatcgtagat cgttccaagc 60
ccggcccccg ccccagccct ccttcagttg ggaacacagc caggtgccct cagacccctg 120
gttctgaaca aggggggggt gcccctcgcg ccagctata tacacgacag cccatcctgc 180
tggccgtgga caaaagctgg gagctcctgt gccagtcag gagccctac agtccaccag 240
ctgcgcggg                                     249
```

<210> 3081

<211> 299

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T23490

<220>

<221> unsure

<222> (1) .. (299)

<223> n = a or c or g or t

<400> 3081

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tttccagggtt gacaggtttt attccacccc cttccatccc catggccacc ccaggcagga 60
ggagacaggt gtgctggagt ctggtcactt tggggcccgg cgtgggcaga gccactggg 120
tttacattct ctgtgggcag gtgtggacac cagagggctg gggcaggagg agcgtgggag 180
cgagcggncg acccccgtct ctggccccgg ccctgggtaa acgccgactc agatgcctga 240
```



aacagacctg ggccgagcaa ggaaggttga tggattttcc acccagacag aaattcaaa 299

<210> 3082

<211> 219

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T23516

<400> 3082

```
tttgggatct cagaaagggt tattatcaac tgaaggaggt aacatgtagc ctttgctggg 60
gacaaagatg tgacaagtct ctgccccatc ctaggtgctg ccctgcgtag ggatcttccc 120
aggcccgccc cccttgggaa gcctggtagc gctgggctgg cgtggaatcc tctggctgga 180
tccctcgtgg ttgctgggtt cccgccaggg ccaatactc 219
```

<210> 3083

<211> 349

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T23680

<400> 3083

```
tttcggttgg ttacgacaag gcaaaacctt taataacatg agtgcttatt acattagctg 60
cttcggggct ctgacatctt tgatttcttg tcatgttttt ctaacacata aagatgaatg 120
cctccctcag ggccacctgg gcggtggttg gtttcttgag gatttgtgtg ggtagacaat 180
ggggacaact atgagcgcgc ctgatggaga ttcggaatc cccctgggc accacctgtg 240
acttttagta aagtcctctt ccaaggaggg aagaatgttg aggtccttcc agtaaagaag 300
gaagaaagga aaacatcttg cacagataca cagagagagg aatgacatt 349
```

<210> 3084

<211> 307

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T23882

<400> 3084

```
tttagagtta gaacatcaag actgatcttt atttcaccca gaggcagagt gataaaatgg 60
cattcttctc tattttaaatt ctatcccac cttcttcttg tccttcctct caaggttgct 120
ggcagagggtg gttgggggcta tgtgcctgga gtgaagattc tgcccattgg tcaagagacc 180
tccctctcag atgctggctc tgcccctgcc tttgggggtc gacccttgta ctgcaggac 240
cttaggtgac tagttgtttc ttcttttatt tcccctattc gtgatgatcg gaaaggtgaa 300
aaacctg 307
```

<210> 3085

<211> 349

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T23986

<400> 3085

```
tttatgggaa taaatacttg ttaaacttct cttataaata tgcattaaaa cgtccgataa 60
cacaagccaa gggctgtaaa attaagggtt aatcaagact gaatttccc cagggaccag 120
caggaaagcc agttacctaa aagagcctaa tcccctaatc cgctgaagg gcagggcggc 180
ctcagtcctc gggcatcttg aactggtcct tctccctgcg cacggcccgc atggtggtca 240
```



ccgggtccgt ctcacctgcg tgetgctgca cegtcttctc cctcactctc atgaaggggt 300  
ttaggtaaa ctcctctgcc aggggtggatg gcactgtggg ctccccgat 349

<210> 3086

<211> 299

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T24055

<400> 3086

tttatctttt catcaccatt atttattata tatgaaccag gttttcagca caagtcacac 60  
tcaacacctt tacccaacag gaggggagc ggaggctcag agagggagtg tagggggagg 120  
atgtcaatgg gagggcccag cctgagccct gagcagctgg ccagccagga actggcattg 180  
ttgagtgaga ggcatacctag tctcctgctg ctgcaaagac aatgcccgt gaacaggatg 240  
gcaggccaca tcagcagtc atacagaagt gaggtgtcg tttcttcccc tggagcacc 299

<210> 3087

<211> 349

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T24068

<400> 3087

tttcaggtaa caaagtccag tctgttttat ttttaaccca aatattccaa atatacagaa 60  
aattaccagt acaaagttaa acacattcag atttatttac acaatgctaa agaaatttga 120  
gttttatttc cattttgtgg aattttatca tggggtctgg ctttaatgtg taactgacgt 180  
gggtcactga aactcgatta tcccacctca catgcaattt tctgtcctaa gggaatagaa 240  
aacttgggtt tttagggcac atgcagtaat gatcttaata ctgctttaca ctttcgtggg 300  
aaggcagctg tcccacagcc tggggaagga ccacatgctc agaaagggg 349

<210> 3088

<211> 149

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T24106

<400> 3088

tttaacaata acttatttat tttctaggcc atgggagggc tttgggatac gattctgggc 60  
ccgaggactc aaaagggggc cgagggtcac tgtcagggg tctgcgtgac cacggggtag 120  
agcagagcca gatgctcggc gcctgcac 149

<210> 3089

<211> 150

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T25506

<400> 3089

aagagatcag cttttattga tggaaattcc aaagtacaca gcaacacgca ctctgagagg 60  
ccttttctc ctgataatat ttacagagca ctatgggagt ggcagagggc atggggtgag 120  
gccttcaagc agtggaggag aggcagcaat 150

<210> 3090



<211> 143  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. T25725

<400> 3090

```
gcaattttaa taagatttat ttttttaaag gtgggttatt ttattttttc caatgccaca 60
gttataggag tgtatgaaga ggtaacatgt ctccttttcc ttaaccatgt tttttttttt 120
tccttctgca caaaggtaaa agt                                     143
```

<210> 3091

<211> 244

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T25744

<400> 3091

```
catttttaaaa atcatttttat tgtcatttca tgggttaaaaa aacatacatg acatgactat 60
aaagtaatga gacgagttct caggtgtggg ttggattact gagtctcatt aatatatagt 120
cacaatcctg acttgagctt ggaagaaaaa tatgccttcg ctatatgatt atcaattttg 180
ttacttaaaa tttattgagt gccaacagag cactaggcac atatataaca cagaattata 240
cagt                                             244
```

<210> 3092

<211> 223

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T26366

<220>

<221> unsure

<222> (1)..(223)

<223> n = a or c or g or t

<400> 3092

```
ccaaggcccc agggggggttt tatttttctt ttnnaacaac ccgtnccggg ggttccccggg 60
gtcttttggc ccgaatgccg aagagccggg ggtgggaacg ggccaaacgg agactagcga 120
aggttttgaa attgtttctt tccccaggga tgactcgagc tttctcccc tnaaagacgt 180
tccggacggg naagaccggt ccggtaaaact agggggggcca att                                     223
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<210> 3093

<211> 301

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T26471

<400> 3093

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aagagtacat ctttccaaac tggacatcaa ggaattgcta cacagaagaa ccacatccag 120
gatagaaagg accagccaga gctcgttcag tagtgtattt cagaatcatc agggaggagc 180
cggtagcaga attatcccg taaactgag accacatttc acctgttact tatttttcta 240
aatggagtag gagagaaaaga tgctaaaatg tgatcttgagg aggagtcccc cagtcctccc 300
a                                             301
```



<210> 3094  
<211> 611  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T26513

<220>  
<221> unsure  
<222> (1)..(611)  
<223> n = a or c or g or t

<400> 3094  
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gaataaatta aaaacggtac agttgacaca caaaaaaaaaa ccantgatgg ggaggacggg 120  
aggtggagaa gtaaattggg gaggggttcc cattacagna gtaggatcca gtgacccggg 180  
atgctcacat ctctccctga tgtgggagga gtagccctt cctccaagg tcaactgtct 240  
gtccaacccc gtgctccctt agcccggttg gaggtggctc agtgagacat cttcccaggc 300  
tggggagagg aggaaccctc ctgggggaag gggngctggg tcagtccatc cacagggagt 360  
tacagccaaa ggcccccccc gtnttttccc caaaaggagg gacttctttg agggttncag 420  
ggttgatanc agaggccagt gtttggtcct cttccaggat caggggatat naaagaacag 480  
tcagagcctc cncggcaaag tttttgacgt ccacatcctt ggcccgggtc aattcttttg 540  
gttgggtaga ttccatctca aagggnntct tgccagggtg gcctttttct taagggtttg 600  
gccattgagg g 611

<210> 3095  
<211> 407  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T26574

<220>  
<221> unsure  
<222> (1)..(407)  
<223> n = a or c or g or t

<400> 3095  
tttttttata taaaaaactc atttgttttt aaaagcatta acaagacaga aagaaaagag 60  
aaaaggtagt gagcagaaca caagcccctt agtagtggtc ggtgggaagg tgggattttt 120  
ggttctcttg aattgaatgt ttagtgtttt ttatcaccaa canaaaaaaaa caaagttaag 180  
ggtccccaaa agcccacggg tgttctatta cccacacccc accgagaaaa aagagcacca 240  
cgaaaagagc agaagaggac aagagagatc aagagtggag ccaggtctgg atggggcaat 300  
tcaccctgtg cagtgtctc tcagggtcac agagagcaaa ggctcctttc ggcagaaaag 360  
gtagatgaaa gtcgcaagaa atcgcaaggg ggaaangggg aatagga 407

<210> 3096  
<211> 406  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T26646

<220>  
<221> unsure  
<222> (1)..(406)  
<223> n = a or c or g or t



<400> 3096  
 tttttttttt ggagaaccaa ctcattcttta ttaaatgcat cgtgtgtgtg tgtgtgtgtg 60  
 tgtgtgtgtg tgtgtgtgta tagcacatac ttccaggcctg cggcaccacc ccatagagat 120  
 ggtgaggaag taactttctgc ttctcattga aactgtagat ccatcgggga cgaacgaatg 180  
 ccaggaggagg gttgnacatc aggggtctcct caaagntggg atcccattcc tgtgctgaga 240  
 tcacaaactg accccgggtca ctcatatagt cctcgagctc cccattgaag gntgtaaagt 300  
 atcggatgaa tttccgcgct tcggcccccga ggggaactcc ccccttaaag aaagaagtag 360  
 cttggccctt gggaaaggaa atcttgggga gcttcaaggg acttgg 406

<210> 3097  
 <211> 333  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T30193

<220>  
 <221> unsure  
 <222> (1)..(333)  
 <223> n = a or c or g or t

<400> 3097  
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 actcccaccc cagatccaag cgccanccag ttccgggtggg ggctcagtc tccggagtc 120  
 aggagtcagg gctcgggggc gctcagcggc cagtgggcaa gattggggcc tttcctgtcc 180  
 tcgaagntgc acaaagggtg ncccagccca gancacaggg agagggcaga gagatgtgct 240  
 catcagtcctt ggcaggcggg ccgggagcag tcttccagaa acaggtggga gccagggctn 300  
 attttcatag ccaagggtcc catgagcttc cca 333

<210> 3098  
 <211> 370  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T30214

<400> 3098  
 ggtataaata ctttattaaa gaaatattgt cattttcgtt aaaaaatata ttagagaaga 60  
 gagttttggg ttaccagtct ttccctcacag aatcacagt taagatattc atttcttgac 120  
 gtctctagga accttcaggc cacggatcag cagaacatac acgaacaagg gaaaaaatt 180  
 cctcttaatt ttactgatgg cccccgtct ctcagggtgg ctgagagtgg cacttggtaa 240  
 acagtgtgtg tttaatccag cctctgcctc tgactacctt taagaccagg actcgaagca 300  
 gagtgaagg cctccctcca cccacctcgg ggcgagtgaa gacacagctt acagaggcgt 360  
 tcaaagtagt 370

<210> 3099  
 <211> 449  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T30222

<220>  
 <221> unsure  
 <222> (1)..(449)  
 <223> n = a or c or g or t



<400> 3099  
gagaagcagg acatggaaga catgggaaga agcaaatcat aataatgcct ttnagtctga 60  
acttgatat aaacttcact cgtatccagt tactaactct catcctactt aggaatttcc 120  
aaattgttaa taactttctt agaagcagcc tacaatctct atgttgccac cagaatgctt 180  
gagttgtttt tttcttctgt aaaatcacct tggaccaac caggacacca ggtccaggaa 240  
tctgagttgt tgagttttac atgatttaag tttgtaatga aaatttcttt catctagtaa 300  
aggtaattac tattcaatat tattatgtcc agaagtgtat atatgctgag tttcattcta 360  
gctaagaata gaaagtagaa taaaaggaga ctagggtttt atttgacctt tgacaaggca 420  
gtngtccttg atactgagtg actctttag 449

<210> 3100

<211> 293

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T30341

<400> 3100

gtcattactt aggatgcact tataggatct gaaaagctca ctttaaactc atactacatt 60  
cgttacgagt attttacgtt aacataattg aaaagtacaa ggtccaagct ggctttcaaa 120  
ttatgtctaa acagaaatgg gacaaataga cttgaaaata gaagggattt attccacccc 180  
tgcaagggtta ggagtcaggt gagagtcctt tggtagtca tttgtacatc agtgtcattt 240  
cttcttaacc tctgaagaag atgggcatca gaaataaaga caaagcactt ttc 293

<210> 3101

<211> 169

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T32072

<220>

<221> unsure

<222> (1)..(169)

<223> n = a or c or g or t

<400> 3101

gccttacttt aatgctgacc tagcagcccc gacaggaagc tttaacataa agccttgacc 60  
ctgagaagca tgggtgcgtc ttgtcgtgag cagggttcag gctgtntccc atcctcagcc 120  
cgctgatttt tggctctttg tcctttgatc cagcagttcc cacgtggat 169

<210> 3102

<211> 186

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T32108

<220>

<221> unsure

<222> (1)..(186)

<223> n = a or c or g or t

<400> 3102

anctccagtt tatttttttta agactaagag cagagtatga aagtcacagc caaagcactt 60  
gaaaaaggcc caggaggata ggtgggacca cataggggtga gcagggaag gtcctgggag 120  
atgggtcccg gctcagggtt ggaagggagg gggcgctgtt gttttacggt ctccaaaagt 180  
gtctgt 186



<210> 3103  
 <211> 223  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T33011

<220>  
 <221> unsure  
 <222> (1)..(223)  
 <223> n = a or c or g or t

<400> 3103  
 cagacaaaa accttctgtt tttaggaaaa aagaggaaga tttagagacg atggagaggt 60  
 gaatgaagca cagcacgagc ccagctgggc aggggccctt nagggacggc tcaaccata 120  
 ggctccggga gggcaggagc cagccccctc aggtgggggt gattctntca agcactgcac 180  
 atggactcgg aagtgagaag aaaagcagag aagagagagg cat 223

<210> 3104  
 <211> 336  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T33489

<220>  
 <221> unsure  
 <222> (1)..(336)  
 <223> n = a or c or g or t

<400> 3104  
 attttacaac agtaatcttt atttttaggcc aacattcaga catacaagac ggagatcacc 60  
 atgcggaacc agcctggccc ttagatgtgt gtgctcgagc caggntcagc cggagtctga 120  
 cagcgccctgc accccaacac ggtcggattc caggacgcca gtnacaaaac cagtgcattg 180  
 acaagcagct tccatgcgtg tgcatttgat ttttaaaaac aatacatatt tcagtgttaa 240  
 cttccccctt cacctggctt gaaacatttt ccccatcttc cagggaaaca aactctacca 300  
 aaagggtgccg nctgcaggac cccgggncca gccctt 336

<210> 3105  
 <211> 321  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T33508

<400> 3105  
 acacaaagct ttttgagttt tatttttttc ctcagggttg agattcatcg taacatgcat 60  
 gcattttcaa acagtaacag ggtctcaaac tttttaaaagc agacgttaga caagcacagg 120  
 ggattgaaaa ttcccattta aaaaatggaa actgcagtgg gatatggaga agtcacacac 180  
 ttggtggggg ggtggtttgt cctgcttccc caaaagggtg atatgaactt aattcacatt 240  
 ttttaatttc agtgatctga cctgatgctg ggatgtgccg agcagtactg cccctctccc 300  
 caagggtggt ggctcccacc g 321

<210> 3106  
 <211> 163  
 <212> DNA  
 <213> Homo sapiens



<220>  
<223> Genbank Accession No. T33619

<220>  
<221> unsure  
<222> (1)..(163)  
<223> n = a or c or g or t

<400> 3106  
ataccttttt attaattatn aggaataatc cattcatgta atgcaggntg tatgtnggag 60  
aaggttaagt acagccacat gaatgagggg aaacgtgcaa gaggaacagt ggtgagaagg 120  
gggatggtcc cccactttcc acaaaactata aacagcaaca tga 163

<210> 3107  
<211> 338  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T33625

<220>  
<221> unsure  
<222> (1)..(338)  
<223> n = a or c or g or t

<400> 3107  
gctgtgcagt agtattttatt gttacagtgt taaaattcac nctcggggaa gcgatttggg 60  
gccacggccc tagaaactgc atctttgttc agagccaacc catttctnt gcagccacaa 120  
aatgcctttt tgtgtcaggg ctcgaggat tctcctcgtt ggccagccat tggcaagaat 180  
gccagactca gaggttgcca ttgccacag gctttcttct cctttctttt cacagcagga 240  
agagccctcc ggagcctcga aaagcagagt ggaagtgggt gtgcccagga cgnatnggct 300  
ctnatgggaa gagggaggtg ggcctgagca tgggcctt 338

<210> 3108  
<211> 298  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T33859

<220>  
<221> unsure  
<222> (1)..(298)  
<223> n = a or c or g or t

<400> 3108  
gcatttcctc tacattttatt gcaacggnta aatgnttaac aacattcaca acttctnaga 60  
tcttaaaaaa cagaaacaaa agaaaacttc cattttgtaa catcaçaaat gtnttctagg 120  
ntttatcaag gnccaaaaaac actacaattt tntaagtgat ttccagtgat ggaaacaagc 180  
cagagacagt aaagcaccca gagtggcgag agagcacttc cagatgcctg tggctctctc 240  
ggggggtgacc ctggaactat ttgtngggcc gnttgtgtct gtacatctgc atcatcct 298

<210> 3109  
<211> 268  
<212> DNA  
<213> Homo sapiens

<220>



<223> Genbank Accession No. T33865

<220>

<221> unsure

<222> (1)..(268)

<223> n = a or c or g or t

<400> 3109

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cagataaaca gtatgtggtt tattcacaca atgaaatatt atacaaccat gagaatgaaa 60
atccatgtac aaatacatgc aacaaaaatc tcacaaacat aatattggtg aaaagaaacc 120
agatacgnag aatgcataat tccatttata tatctcccca aaccagacag nnctaatacta 180
tgcgcttnga actcaggata gtggtttccc ttgngaggt agttaactgg aagggntct 240
gacggggggc ttctggggtg ccgattgt                                     268
```

<210> 3110

<211> 319

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T34377

<400> 3110

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gggagggggt attgggtagg accatccaag aaagggcaga agaccaaggg cagtcggggt 60
ctagaaagga gggcgctggc cctgctgggc gcttcggagc cccactgtt tccactcag 120
ctttgtgctc agatcccagg tccaaggag tgacaggggc ttctcccccac cttctgtcct 180
tgtccagtca tgtaataaat gtgctatttc tctccccgag tctttttttt taaaacctac 240
cgtggttcct cagctaactg cattccctac ccaggcagag actgtcctat gcctcgagct 300
tccaaacgag attcagacc                                             319
```

<210> 3111

<211> 151

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T35341

<400> 3111

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accagatgag gaaatggcag ttctgagaag tcaactggtct agatcccgca ggtggcacat 60
gacagctagg gttcaaaacg ttctcaccaa atccaatgct cctcacatat taattttata 120
accagacaaa taaatattag agacaaccac c                                     151
```

<210> 3112

<211> 282

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T35725

<400> 3112

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aaaatactgt gtacccccctc ccccccccat gaaatgcagg ttcactaaat gtgaacagct 60
ttgctttttca cgtgattaag accctactcc aaattgtaga agcttttcag gaacatatt 120
actctcatga tacttcatta atctccatca tgtatgccaa gcctgacaca tttgacagtg 180
aggacaatgt ggcttgctcc tttttgaatc tacagataat gcatgtttta cagtactcca 240
gatgtctaca ctcaataaaa catttgacaa aaccaaaaaa aa                                     282
```

<210> 3113

<211> 241

<212> DNA



<213> Homo sapiens

<220>

<223> Genbank Accession No. T39897

<400> 3113

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tttaatccta aagggtggctg taatcatgaa cctagggcac catgggggacc tgagaggggaa 60
ggggacagat gttttctcatt gcataatgtc acagttgcct caaatgagca ccatttgtaa 120
taatgatgtc aatttcatga aaagcctgag tgtattgcat ctcttgattt aatcatgtga 180
aacttttcct agatgcaaag gctgactaat aaagacaaag ccaccctgaa aaaaaaaaaa 240
a                                                                 241
```

<210> 3114

<211> 153

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T40439

<400> 3114

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cttgtagctg tctcaaggca tttgtggatg agcccagttc cttaaataatg acaaaggcct 60
cccccttcat cttcatggtc tttaaagcca caatgtccac cacatgacca aactgagaaa 120
acagggcata tagggatctc ttcaatctcg tgc                                                                 153
```

<210> 3115

<211> 347

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T40849

<400> 3115

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tttcgagaga tttaaagatt ttatTTTTTtac aaatcacagc tgatagacag cgaccgttcc 60
ccatagagac cgtgctccaa ctggggcctg ggcaactgtc gctgctccca ggaagggggg 120
ggcgtgacag gcaggaacct gcgaagtcca gaggccaggg tggagcgcgc cacgctcagc 180
cagagcagcc acgacagcca cagtgtgtgc actcgatgat gcggccact tccagcttgc 240
ttttgggcac gcggcagatg cagttcgtcc cgaagtgggt gtcccgtgtc tgaatgcacc 300
gcagcagcac aagttctcat atccttgctt tttccatttt gcaatca                                                                 347
```

<210> 3116

<211> 271

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T40895

<400> 3116

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taatggtagc tatcaattta ttaactgggt actgcggcaa tatatataat tataaaatca 60
ccatcaatcc tttcattcat acgttaacac atatcactgg ttaattcat tgaaggcaaa 120
tacaagtttt tcccttactt tcccttccaa attccactta ggctggttac cccaaacgta 180
atggagaaac attaaatgtc actttttaac cacttttaaa ccagtcttta attttcaatt 240
cagggtgtgag gcacatatat acacacaaac a                                                                 271
```

<210> 3117

<211> 337

<212> DNA

<213> Homo sapiens



Time	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
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<220>

<222> (1) .. (337)

<400> 3117

<210> 3118

<212> DNA

 $\langle 220 \rangle$ 

<400> 3118

<210> 3119

<211> 312

<212> DNA

<220>

$\langle 220 \rangle$

<221> unsure

 $\langle 222 \rangle \quad (1) \dots (312)$ 

<400> 3119

$\langle 210 \rangle$  3120

$\langle 211 \rangle$  341

<212> DNA

 $\langle 220 \rangle$ 

1332



<400> 3120  
 tttttttttt atcttttagtt tgtaaaagtc ttttattgta accgtgccac acatagtga 60  
 aaataacact cctaaaaaaa gaatgctacc ttttccacaa catTTTtattt taaataaaac 120  
 ttcaagtact cttacgtagg tacaaaaaaa atctgatcta tttgcctcca acaggccacc 180  
 acaacacaca gtagataaaa cacagtgggtt acaaacgtct tttaaattta tttctgaggc 240  
 aaggcaaagt ggaggggaaat gtttctttga aaaaatactg tgtgcgtagg aaattgtcac 300  
 atttttattc cacatggata caaatgatta tactttaatt t 341

<210> 3121  
 <211> 317  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T41232

<400> 3121  
 ttgctcatca gttatcggtta gtgtccgtgt attttacgtg tggcccaaga cagttcttct 60  
 tgttccagtg tggcccaggg aagccaaaag attggacact cctggagggtg cagcacagta 120  
 tctaactact cctcaatact ttttccaccg aactacgtaa gaccagccac agcccagaaa 180  
 aagaacttcc cacaggaaaa ggaggaagag gaaaatttgg aggaaatcta cgaggagggg 240  
 attggccaac cgcaagtcag catgggatgc tggacacctg gccgagcgag aaacagaaac 300  
 gtgagaattt ggaagat 317

<210> 3122  
 <211> 459  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T46901

<220>  
 <221> unsure  
 <222> (1) .. (459)  
 <223> n = a or c or g or t

<400> 3122  
 gctctttatt tgggggttaaa cccatgtggc ccagagctgc cntgatgaca cctccctgaa 60  
 agcagaagag gctcaggact ggcagccgtg ggtgcgcata tattccaaaa attcctccag 120  
 ttggtcccgc aattctttct tgctggcatc tccatctgct ggccaaagga tgaggaacgt 180  
 ctccctgccc agaacatagc tgtaatcaga tttgattctc cacagggtctg acgtctggcc 240  
 catgatgagg tacgattcct gttcttgcaa ccccagggag tcatggcaag tggcatggga 300  
 gacgaatttc ttcattggcca ggggtttggc agggctccgt ccactcttaa tgatgtcttc 360  
 gagctgcgtg ttntaataga cgtaagggtt gggangcaga gacctccaca agattcccag 420  
 cttntcttn tacacaaaat ccacgcctnc ctcacatgc 459

<210> 3123  
 <211> 337  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T47032

<220>  
 <221> unsure  
 <222> (1) .. (337)  
 <223> n = a or c or g or t

<400> 3123



tatgaaaggt ttattccnag ngctagaccc caancttctt gggctctaag cacaattaaa 60  
ctggnggggn gggngagggt aggcctattc agangcaagg ccagcaatgg ggctcccat 120  
tatccccacc cctttggnc cagtccctt ntctgcaang ggcacgcata gaggagagac 180  
aaaggggtntt agacgcaaca tcattggccc aggggagtcc gagaagagct gccattggct 240  
gacagggcat tttcaggctc tgtcattggg cagggagcac accccagcct gaagngtgat 300  
gccattggcc aggggagtgg ttttgtcana gccgttg 337

<210> 3124

<211> 325

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T47325

<220>

<221> unsure

<222> (1)..(325)

<223> n = a or c or g or t

<400> 3124

aagaactaan nagtttttta ataaaatgag caagtttaca tttgtacatt ttgtgtatct 60  
gggacccaat cgggacaaa gataaagttg caaggacaaa ggtttctgtg ggagagcaag 120  
caaaaagcaa gggctgcccc agttgcatca tgggcatcca ttcagagctg ggaccccgca 180  
gccacctgcc tgtgctccgg aagtgagaag cacatgtaag cacgcgtcag tgagagcgct 240  
gcagttgaac tcagcccagt gcaacgcagc cctgagtgaac atccctacat taatacttga 300  
tagggaacag cagataaaca gttcc 325

<210> 3125

<211> 289

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T47601

<220>

<221> unsure

<222> (1)..(289)

<223> n = a or c or g or t

<400> 3125

aatacatttt attgtgtata tttgaggttt acaacatggg agtttgggat gcatagaaat 60  
aataaaatgg ttactgtagg gaagcagatt tacatatcta tcattctcac acaactactt 120  
tttgtgacaa aagcagctaa aatctactta gttaacaaaa tccctaatac aattttatta 180  
accttagtcc tcatgttata cattaactct ctacacttgt tcattctgca tatctgctat 240  
ttngtatcct ttgacctata tctctgtttc ctctctctgt tccctacca 289

<210> 3126

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T47778

<220>

<221> unsure

<222> (1)..(415)

<223> n = a or c or g or t



<400> 3126  
 ttgcttggga tattttaata catattcaag agaaaatgac aaatatatct taatagaaaa 60  
 ggatacaaat taaaaatcag aaggcaagac caccaggatt aaagatgcaa cttagatcaa 120  
 atattgacca aagtaaattg gttgantttt gantatagca tagatcatac ttagtgagag 180  
 gctttcgaac taacgactta catttaataa tanttagcat gtcacagatt atagtattatg 240  
 attattagga aaaatgaagt taaatcaata cttggggaga ttgtttatta atgtgtgaat 300  
 tatgtctttt tttaatattc ataaatagtt ttaaaatttt aaatgtgttt taggaaggaa 360  
 ttgggttcct cccttggggg gcaanaata ggtgtgccat taccacgtct ngtgg 415

<210> 3127

<211> 299

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T47969

<220>

<221> unsure

<222> (1)..(299)

<223> n = a or c or g or t

<400> 3127  
 ttttccatgg ataaaatcgg catttattca gaaggcatga tgcaggaaga aactcccca 60  
 gtgggagaca atggctggcc cccctgcaag gaaacaaggc ttcanccttc cctactccca 120  
 gacctgccgg gaaggctggg agcacagttc atggagggtc tctgggggtg gcctgggnt 180  
 ctgacctgtc cctntgcca caggtgaatn tgacctgctt cctnaggatc ccgagtatca 240  
 ggagagctgg cagaggaagt catgnagagg caaagcaggg ngcccnaca ggagatccc 299

<210> 3128

<211> 526

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T48039

<220>

<221> unsure

<222> (1)..(526)

<223> n = a or c or g or t

<400> 3128  
 gtgcttggtta catgtccctt taatgtccca tccattgccc atgaaaancc cagccctgca 60  
 ggaggggtcg ctaagggtccc agctcttctg gggggcttct tgtctctgat gtgccccatg 120  
 gatccagtcg aggtagcggc tgactttggt gtaaagcggc tagttgtgaa ggagcccaca 180  
 gccctcacc cagctcacca ggcccaccag gaaccagggt ccgtggaagg aggcgaccat 240  
 gggcccccca ctgtcgctc gcaggcatcc tgcgggtccc gaggatgccg acacagcatg 300  
 ttctcagaca ccatgttgct catgacctcg ctgcactcat tgtcgggacc acgggaatct 360  
 tgatgaagtt gaggacgaag gtgcgggttc tcttgggctc cttctctcgg ctgntgtggt 420  
 agccccagcc cgtacgaggg tttctgggnc ggcttattaa gcttgcgttt tnaaaggccn 480  
 ttttccggag aagatgggaa tatggtttcg anaggtggcg gttgga 526

<210> 3129

<211> 282

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T48075



<220>  
 <221> unsure  
 <222> (1)..(282)  
 <223> n = a or c or g or t

<400> 3129  
 agacttttatt caaagaccac ggggggtacgg gtgcaggaag gggaggaggg gctgggggga 60  
 ggccaagnaa ngaagcatgn caccgaggtc cagcttcacg gtatttgagg gtagcacggg 120  
 gctcacagaa agcaggaact tgtccaggga ggcgtcacc aggggtgaact cggcgggggag 180  
 gtgggcgcca gggtcaccag caggcagtgg cttaggagct tgaagttgac cgggtccacc 240  
 caagcttgtg cgcgtncag gtctncagg ngacangcgt tg 282

<210> 3130  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T48195

<220>  
 <221> unsure  
 <222> (1)..(450)  
 <223> n = a or c or g or t

<400> 3130  
 ccagcaggag aatatgcagc gcagagccga ggagaacccc cgtccctga ggaggacctg 60  
 tccaaactct tcaaaccacc acagccgcct gccaggatgg actcgtgct cattgcaggc 120  
 cagataaaca cttactgcca gaacatcaag gagttcactg cccaaaactt aggcaagtc 180  
 ttcatggccc aggctcttca agaatacaac aactaagaaa aggaagtttc cagaaaagaa 240  
 gttaacatga actcttgaag tcacaccagg gcaactcttt ggaagaaata tatttgcata 300  
 ttgaaaagc acagaggggt tctttagtgt ccttgccgtt ttggctatta ccatgtcttt 360  
 tcttggcctt nattannta nancaaatc tttgnnnnnn nnnnnnnnnn ncttcnngg 420  
 gggggggnccc gttccccatt tggccctttt 450

<210> 3131  
 <211> 216  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T48278

<400> 3131  
 ggaaaacaaa agaaccagcc attttattcc aagacctatg ttctggggca gcaggaataa 60  
 ataagggaagg gaggggacgg gggcaggagg gtaggttcta cgtcttgacg cacatcccac 120  
 actttgatcg atgacagcag ccgcagcaga aaatgcagat ggggaagtgg gtgtctcgcc 180  
 tcttctgcct ctggaacatg ggcattccagc tggtccc 216

<210> 3132  
 <211> 407  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T48293

<220>  
 <221> unsure  
 <222> (1)..(407)  
 <223> n = a or c or g or t







<221> unsure  
 <222> (1)..(375)  
 <223> n = a or c or g or t

<400> 3135  
 ttttaccn tngagatctc gctgtgttgc ccaggctggt ctcgaactcc tgggctcaag 60  
 catcatccta cctcagcctc ctgagtagct gggactacag gcacccgcac aaccacacct 120  
 ggcttttatg aacattttta ccttggtcct tntccccaca gacaagcctg gggacaggct 180  
 gtgggtcttc ttcaagagggc tgtcttttga ttcgaggaac caggccttgg tgcgcggacc 240  
 caggtccctc aggtgggtcgt catagtaggt ctgcatgaag ccccgggaagg tgcctgggct 300  
 ccagaacctat tggcaccgt ctctgggtcct gttcaccact gtctccagca gctccttcat 360  
 cctgccccctc accag 375

<210> 3136  
 <211> 409  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T51150

<220>  
 <221> unsure  
 <222> (1)..(409)  
 <223> n = a or c or g or t

<400> 3136  
 taatggagag ggggatgttt aatgagttcc gagcttcagt ttgggaagat gaaaattctg 60  
 aaggtagata ttggtagtgg ttgcagaata acatgcatta cttattgtta cttaatgcca 120  
 cagaaaccta tgcttcaaaa tagttaaaac agtacatttt atgtctattt tatgacaact 180  
 tttttaaagg gagggcaatc atacaatggg ggtgaaagca gttaggccct tgtactaagt 240  
 tttgggaaca atgtaactca atgtttctac acccttttaga gaggagctca gagacatgaa 300  
 gtaaccctat ccgtccggga acctacattt tctttgcac ccagtggggg ctccctctcc 360  
 ctgaaagtcc catgtgttca cagtttnaca aggttttacc tggggaatg 409

<210> 3137  
 <211> 469  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T51617

<220>  
 <221> unsure  
 <222> (1)..(469)  
 <223> n = a or c or g or t

<400> 3137  
 gaatacaaat aatctatttg tcaatgaaat aaacacagct ctttgaggat ttgagactac 60  
 attcaccctt tattcacagt cacttgacgt tttgcttttc tctgcatttc tctgctgtaa 120  
 gatgactggt gcattgttaa attgtatttt gaatggatat ttttgtttgg taacaatatt 180  
 ttaaattggt aaacgtgtgc ctttgtcctt tctcttcctt ctaaactatg atctctccca 240  
 caggtcattc tctgttcacc gtgtgtactg cagactgttt caaaaccggg caggcaatta 300  
 ggcaatgggg aaataagggt ggtcccaccc ttcaatattt gcttggttgg ttccatttac 360  
 catgcctctt gggnacccaa tccctaggac tcacggtggt gccccagga ataaccattc 420  
 aggactctca gggtgggggc ttggtggttt accaccatcc cnggggggc 469

<210> 3138  
 <211> 444  
 <212> DNA



<213> Homo sapiens

<220>

<223> Genbank Accession No. T51930

<400> 3138

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ctgtcgccca ggctggagta caatggcgtg atctcagctc actgcaacct ccacctcccc 60
ggttcaagcg attctcctgc ctcagcctcc tgggtagctg ggattacagg cgcgtgcacc 120
acgcccggca tgagtggaat tttagtgtta aatctcttcc tgactctggg ttcagtaggt 180
ccctcctctt ctgttaccct cctggttctc tctgttcacc aactacctgc atgtgccaaa 240
ctagaaaaag gaaataattt acacccctgc cccaacagct ccttccctcc tagggacttc 300
tgtgtccacc cccacttttg ggtcttagaa ctgtggctag aagataaaaag ggaggagttt 360
gagtcagagg ctttatgtcc ccaaacccaa ccccctctga gtattaaact atagtgggca 420
ttgtccctca agtccccctc tgcc 444
```

<210> 3139

<211> 430

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T51972

<220>

<221> unsure

<222> (1)..(430)

<223> n = a or c or g or t

<400> 3139

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tcattttctt ntttttatTT gtcaatataa aaataactcaa atattttacaa caaataaata 60
cgcggggaca caataagtta cactgttagg agccctctc ctagggctgg aagagagtat 120
gccattgtcc acagcaggcc caccctctcc cttctctccc ctcacacagc ctttcccagc 180
cctgtacagg aagaaggcaa gtataaaaata cactgaacc ccggggccaa gtgggaggcc 240
ccaccacccc ttccccccaa acacacagga ggctccatct cctccccccc accctgaaaa 300
cattcacagc cctaggagca ggantaggcc caccccaagc cctgcantcc ctntgaaggg 360
gcacagcacc ctgtccaccc caccctcnta tgtacatcgt tgcccagacat tcggggggcag 420
tggggggtag 430
```

<210> 3140

<211> 435

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T52564

<220>

<221> unsure

<222> (1)..(435)

<223> n = a or c or g or t

<400> 3140

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ccagtanctn nacataaggg aaattaatca gttaatttct gctgacttag gtttccataaa 60
cagcttttag ttctcaaggc acagctgtgg taaaaacaga gcaaaacacc cagccattta 120
ttggaattct gcagtacaaa ataagcacat gtctctatat aatctagtaa caggatagca 180
acagttaaac tgtctcaaac aacagatgta tttgcttgat tttccttctt aacttctttt 240
gcacaggagc cgcaagcaaa gagcttggtt cccagagtat tttggggcaa atcgggaaat 300
acataatgtg ggcccattgc cacaaaaggg aggactggaa atcaatacgg aggcaaggcc 360
caaaaggctt caggggatttg ggagccgggg ggtggcccat ggatggaaat gccgggagggn 420
tccaggggag ntagg 435
```



<210> 3141  
<211> 391  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T52813

<220>  
<221> unsure  
<222> (1)..(391)  
<223> n = a or c or g or t

<400> 3141  
ttggtatana agttttttat ttcaaaatgc aaaatgggtgg tcattgtaat aattaataat 60  
aataacataa aaagcattta tccttcctcc ctagtgc aaa atggtagacg catttagata 120  
attcacacag tgttggaat gtcacgacaa tgcagtgtg cacagagaga tactcaatcc 180  
caaactcctt tgggtggatgc ttgtggtagg tcagttctag atgtcagcgg tttctctgaa 240  
gttaagtcca aataaaaaaac agcacgtgct cctgcactct cccagcggag tcaggctcct 300  
gtgcgcgcgc cccctctggt ctctcccttc cttctcggtc tgtctctgtc tactgcgtnt 360  
ccctcccact ccgctgggtct cccacagttc c 391

<210> 3142  
<211> 404  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T53404

<400> 3142  
ctgtagcaat gaaaattttt aatttgaata aaaatcacgt aagcatgagg ttgttgggga 60  
acacggaaag gaagggctca gattaggggg tgtagcacat ttatcaggag gtaagatctc 120  
catagtctcc taccctcctt ggccctggcc tttactgtgg tatccagcct ctgggaagac 180  
cttgtatgga cagtatctcc actggggcta tcactagggtg accaggtagg ggacagagta 240  
gagcagccaa tgaccttaac tcaaaatcct ttctctccct tcaacctgtg aaaaaagatg 300  
actgggcaca tactcagatg tcccctgggc atagcaccat cttgttggcc agtcacaaac 360  
accagctctt agttaagagg gcctggggtt aaactcgtgc cgat 404

<210> 3143  
<211> 309  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T53590

<220>  
<221> unsure  
<222> (1)..(309)  
<223> n = a or c or g or t

<400> 3143  
ttnggtatgt ggttcagctn tttatntct ccatgggggtg ggtgaagagg agtggcccag 60  
ctgagctgag gaaggtgacc actgagaacc cattcaacct gctgagcagc ttgggcagaa 120  
aggagcagga cttgggacag acgactgaag atgcagagac cccatggggc ccaccttg 180  
gccttctctc catntggctg caggcatcct ntntnatcan tgcgtgggtg cttcctggtt 240  
aaagggccan aaggtnaagg agatgggntt ttcangcatc agaatgaggt tnaatttgggt 300  
gcccacatc 309

<210> 3144



<211> 163  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. T54160

<400> 3144

```
acaaattgca gtttattaag gctccagagt gagaaatggc acttggttct gggcaggggc 60
aggggcaggg gtgtcagtgg aacccaaagg agctgggtcc aaacatgttg gagggacctc 120
ctccatcccc ctacccccaa taaataaagt ctcagctcca tct 163
```

<210> 3145  
<211> 315  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. T55004

<220>

<221> unsure

<222> (1)..(315)

<223> n = a or c or g or t

<400> 3145

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tttatatttt tattctttat ttttaaaatt tatgtatgtt cgtgaggcac aagtgcaatt 60
ctgctacatt gatattctgc ttctcagtc cacacaagga agctgtctca cactatagag 120
anaatattca tgaacaaatt cgtatcagtc acagtggag gtaacactct aaatagccca 180
tttcatgtct aagacatcca agtcaaagaa acccaatagc acagctgagt cccctctgtt 240
cccccccaa caccctactc acatcagggc ccctgcctgg gaggtgtcac ctttattagc 300
tgtgaggaga cacc 315
```

<210> 3146  
<211> 395  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. T55196

<220>

<221> unsure

<222> (1)..(395)

<223> n = a or c or g or t

<400> 3146

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tatnnccagt caaataaaacc cttctttatt cgtacatagc tgcagtacta gattggaatt 60
cacttcacaa agagaaaaat acaagccaat aaatacttga gaactacgtg atcttacatc 120
tcagagagtg tgggctggag aggctggta cactggagag gtctactaca ctggagatgc 180
ccactacact ggagacgccc actacgctgg agacgcccac tacactgggg tctgggtggc 240
ggcgagtgag gggacctgtc tcacatgggt gagggctctgc agcacacaca ataccagat 300
gttaccaagg gcacaggcag atggcataat tgggtgagga aatcaggaaa cagggaacaca 360
agtttacagg agggaaagaa aaagaggctg gggcc 395
```

<210> 3147  
<211> 375  
<212> DNA  
<213> Homo sapiens

<220>



<223> Genbank Accession No. T55547

<220>

<221> unsure

<222> (1)..(375)

<223> n = a or c or g or t

<400> 3147

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tttttattgg atttaaatat tttattttaa gaaatattct taaggctgca gtttattgat 60
aagaaaaata taaagcatac atgtttatag attatgtatt gacattatag tatatagatt 120
ctccaaataa cataattaat tttgtagtgc tactagtgga atgcattctg cagaaacatg 180
gctttacott caaatctaag cacaataccc ttacatcaaa aatgaaggat aataaaaagca 240
caactttgac tcattttaa tttgggaggc cacatctgga tttgttggag ggggtaaatt 300
cggtttattt cctcttcag gggaggncat tattttttgc catctcttc nggggcccc 360
ttttatccct nttaa 375
```

<210> 3148

<211> 370

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T56264

<220>

<221> unsure

<222> (1)..(370)

<223> n = a or c or g or t

<400> 3148

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ttgantnng ntttttattg aaaaganttc aggctagant tgggaggagg atgcaagagc 60
tactgggaag ggggagctca gtctgaacct ggggntcag gggantagg gantntcccc 120
ttntccactg atgggggntn tggctnttac tcctctccct tcagcacaga aagaacttgg 180
tcagtaaaaa tgcctntnta agtgcctcat gctgctgtgc ttttgcgtga caagtccctg 240
agtttctcat ctacagcggg caggatgtgc ttctcgtaca ggttctgggc ggctgtcttt 300
gctgactccc agtaactggg agagagattc cttcacctgg gttaagggaa ggntcgggct 360
aangcaactc 370
```

<210> 3149

<211> 306

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T56279

<220>

<221> unsure

<222> (1)..(306)

<223> n = a or c or g or t

<400> 3149

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caaaacttta tttatganta aaaatgaggt aaaacagtan ttgaaaaatg aanttgaaaa 60
caaatataat agtaaattca gaaaaaggtn tgcattttac taatagtaat gccattgatt 120
ctatTTTTTt tcacaactgg gatataccag tttcccatc tgacacattg ctcgaaatga 180
atgagatttt gttggatgat atccagattt acaaacaaat tcaactatgg tcacctgttc 240
ttgaataaag cttttgttgg gtttgtccac ttttaatttta tggtnatatt tttccataat 300
ttctgg 306
```

<210> 3150

<211> 470



<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T56281

<220>  
<221> unsure  
<222> (1)..(470)  
<223> n = a or c or g or t

<400> 3150  
caggtnatn ttntttaatt atcactcaca tatttcacag gaaaaggant ntagcaaagt 60  
ggtcaagggt gtntaaaaaa aaaatccagg tttntacatg tctctctgtt tacatctggg 120  
agaaagggtt tcttggcatc agtcgcagca gctgcacttc tctgacgccc ctttgcaaac 180  
acagccctgg gcacacttgc tacagcccac ggggagggcag gagcagcagc tnttnttgca 240  
ggaggggtgca tttgcnctct ttgcacttgc aggggaaccag cgcaggggtgc agggagacac 300  
cagcggggcgc agggagcagt tgggggggcc cattgcaagc ccgaggggaga gactggggact 360  
tttcccaagg agagaagcga aggaagccag tgggggggcag ctctgtgccc anttccttca 420  
gccccggggg gntcccccta gttctaggag cggnccccac cgggtgggat 470

<210> 3151  
<211> 447  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T57140

<220>  
<221> unsure  
<222> (1)..(447)  
<223> n = a or c or g or t

<400> 3151  
agatattgat atacttccta gtgggctggc ttttatctcc agtggattaa aatatccagg 60  
catgccaaac tttgcgccag atgaaccagg aaaaatcttc ttgatggatc tgaatgaaca 120  
aaacccaagg gcacaagcgc tagaaatcag tgggtggattt gacaaagaat tatttaattc 180  
acatggggat cagtattttc atcgacaaag acaatactgt gtatctttat gttgtgaatc 240  
atccccacat ggaagtccac tgtgggagga tattttaaat tttgagggaa caacaacgtt 300  
cttctgggta ttacctggaa aactattaaa acatggaact tcttcaaaag tgttgaattg 360  
acnttgtggg ttcttgggac cnggaacatt tttttggcca ccagagacca nttttttacc 420  
caantccctc ccgttctttt tttagagg 447

<210> 3152  
<211> 286  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T58032

<220>  
<221> unsure  
<222> (1)..(286)  
<223> n = a or c or g or t

<400> 3152  
tttttgcggt ngntcaggaa gcctttattg agggccttct tgggtgtggaa gtgctgcact 60  
gagtctgcag ggacagagga atgggcagga gcggggcccg gggtagacca cctggcaaga 120  
ctggcaaggc agtgggctga gtctgccaga gaagatgggg agctgctgcc cggccagggc 180



atnngcatct gggctgagaa gggcaggagg gtgggtgaca acaatgtgca ggtctntggg 240  
 ggacacagcg gcagtacaca gagaggtagt gggggctggg agagtt 286

<210> 3153  
 <211> 429  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T58153

<220>  
 <221> unsure  
 <222> (1)..(429)  
 <223> n = a or c or g or t

<400> 3153  
 ttttagaaag ggacaccata agatgaactt tatttttaaag ctcataaaaag tgttcacann 60  
 naaaaaacaac aggatcgaca tttcttccat tccacacttt cacatgacaa tatactgtat 120  
 agtgagagag anagtttana gtttttggtc tgcattgctgc taacacattt gactagcttt 180  
 tgttttactc attgaatttt taatatcaaa gcaaaaagtc attttctctt ggacagaaat 240  
 ggttttagaa agcccttatg aagtcagact tagtcttggt tataaacatc cacaccnca 300  
 cacatgctgg aatgggngag caaatgcaa ggcaactacc ttgggcaggg gaccaaagtc 360  
 ttaaaggatt tgtaatcaca gccctcttgg gcaggcnggt accggttttt tttctccna 420  
 agggccaaa 429

<210> 3154  
 <211> 235  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T58607

<220>  
 <221> unsure  
 <222> (1)..(235)  
 <223> n = a or c or g or t

<400> 3154  
 ttttcagtat cttaaataaa ctgtttattc agaaggaaca attaaagaaa gcaactatga 60  
 tatggattac aaaaacaac aagcatagat cctctccagg ctccaggggtg agacggcccc 120  
 acgctgcaaa gactgccagc cctgggggat cgcattcagt ggctagcatg tgtgtgtgag 180  
 cgccgacacg tgcnacacac aagcacacac acgcacaccc gccaccacaca ggggtt 235

<210> 3155  
 <211> 441  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T58756

<220>  
 <221> unsure  
 <222> (1)..(441)  
 <223> n = a or c or g or t

<400> 3155  
 gattcaagat ttcaccagggn gagaggggga attgaaaatt agtagaaaaa ttccaagggg 60  
 accagtttagc cacaacaaag aatgggggttc agggaaacttc ttagggatgt atcttccct 120



caatacaggt agaggagcag catcagaagc agggcnttgg agagaggcat agaagagant 180  
caccttctcc tggccacgc aagctacctg gtgtaccttc aagttcaggc cagctgctgt 240  
tcctgccgc tcttgagat gaaaagggtt cccatgccc caccctctcc cgagttaatt 300  
ctctccaggg tgcttctctt tgatgtaaac ccagggtgc tattagcagg ctcttggtc 360  
tcttgctcaa atcctttcca acctttccaa cctgtnggag ctctgctgtt tctaatttct 420  
taacccccat cttgtttctt t 441

<210> 3156

<211> 306

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T58775

<220>

<221> unsure

<222> (1)..(306)

<223> n = a or c or g or t

<400> 3156

gtcaaaactca tggagtttta tttattgcat gcttgggttt tggactaaga gtttaccct 60  
agccgtgtct catacccttt ctttccctgt cctgcaaagc ttaacatggg aggtagagat 120  
ttgtgtctct tcttctctct cttctctctc tctctctttt tttttttttt ccaatcaggc 180  
actctctgta cccctgccac cctgaggaag acaaaaatag agaggatcta gcaaagtctc 240  
tgcaaaaatg attaatgtga atattcccat cgggacttcc natgaaaaag ttgcattata 300  
aatga 306

<210> 3157

<211> 337

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T59148

<220>

<221> unsure

<222> (1)..(337)

<223> n = a or c or g or t

<400> 3157

nattaaatct atatttaatt tnatcaagtt ttnagagtat tctgccctgt naaagngtcc 60  
tgagtttgca gatagtgttt taaaaataga gtatctttaa gtatagaaa agtccagaaa 120  
atagaacagc aacttttcct acctganca ccattaatca gcaccataaa aagtaaaaag 180  
ctacacataa gcacataggc aagcctagtc caccaaaaat acagtattag taaatggatg 240  
aaatctcatg aagagtantc tagggaaggn ctgtaagggt ttgaaggaag gtgactgaca 300  
atttaattgc aaaaggacac aggattatta gggcata 337

<210> 3158

<211> 446

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T59161

<220>

<221> unsure

<222> (1)..(446)

<223> n = a or c or g or t



```

<400> 3158
gggtgtgtttt atttttcatta ttcatacaaaa taatttttcta taatancccg gggcaaacc 60
gagaattttgg cagnccgatt gggggggggg cccttcagag acccacaggc cgggtggantc 120
ggcgcgaggagn ccagggntca cagtgcagct tgtggctcgt gtccatcttg caggtggctc 180
ttcctccaca tcacgactgg ggtctcgaag ggacgggggt aggaaatcct ccaggatctt 240
aggaaatttc actccgcttc tctgctcaa tggntctttt gggtcggcag ggggtgttctt 300
ctcctgcgtc tccgttttct tcagcttggt cttatcgaag ctgggagatt tccccatgt 360
ctgggtttgt ctgccanttt cttaaaacaa tccngcagct ctcgttccga gcccagagatc 420
cgggggngct cccactcgcc tcgtgc
446

```

```

<210> 3159
<211> 497
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. T59668

```

```

<220>
<221> unsure
<222> (1)..(497)
<223> n = a or c or g or t

```

```

<400> 3159
tttttccatt atcctggttt tatttaggaa taggatgggg gtggggaggg cttaagtggc 60
ccacacgtcc aggtntagac tgactacatt gagtatcgct ccaacaccga acttcccttt 120
aacggtttta aaaaagggtc atgagntca acacagttca gcagtgtttt catgggagac 180
cttcaggcag gcaggaggac atcctcctct ctgctcagga ccaccacggg agttctaggc 240
actccacctc actgttcttc agacagctgt gatgtgagca ggggctaggc cggtaatcaa 300
gggggcccaga ctgagccatg ccacaccctt cctcctagtc cccatgctct cctggggggag 360
cctggggcag ctctgcttta ctttcccggt ttgtgttttt tcttttgttc cttacgttgc 420
tgtgtctttt gggtccttct ttcattcctg agtccaccac cttgaaatga cctntgactt 480
cagctnggcc ggcgcac
497

```

```

<210> 3160
<211> 587
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. T60407

```

```

<220>
<221> unsure
<222> (1)..(587)
<223> n = a or c or g or t

```

```

<400> 3160
ttcagaatca gatattgttta atatctgcat ataacttaat atgcatttct tccattacaa 60
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agaagatgcc tttcctataa ttgaagttat tgatcaattg aaggtataac cagactgaaa 180
tatacagcaa cttcttgaag aatggcaaaa ataaagtga agttctaaat tcttctctga 240
atttttcagc tattgcta atggaagggtg gccaatataa taggcaacac aggttcgtct 300
aacacagggtc ggtctaacac tgggtccnngt aatcaatcat catatcttat ttctttcctt 360
tttctttttt gtttttttga gacggagccg gcntctggtc gccaggggt gggagtgcag 420
tgggctgga tctcgggctc actggcaagc tctgctccn ggggnccaca ccattntcct 480
gcctcaggcc tcccgggggg gctgggggnt acaggggggc ccgncacat ggntcggnta 540
aatttttttt ggatttttag gaggggagc ggtttcaccg tgtagg
587

```

```

<210> 3161 ~

```



<211> 344  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T61256

<220>  
<221> unsure  
<222> (1)..(344)  
<223> n = a or c or g or t

<400> 3161  
ggctctgcat cccccagcca tccccccaga gcctctccct gtgggaacac aggacacagg 60  
cagagtccct cccacagctt gcctctgtcc cctgaacagg gcaacctgga cgccaggctg 120  
gatggagggg agaaggcgat gcagccgcaa tggtagtctc catggtttgt gaggagccgg 180  
cacctgctct cacacgatgc catcaaagcc ctgcaggcca cacttcttgc cggccacctg 240  
ggaacccgaa tctcagtgtc tccctgcacg ctctccctc ggganaaggc tgaagaatga 300  
cggaggcatt tnaaggtttc tccangctcc cagtntaatc cacc 344

<210> 3162  
<211> 337  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T61373

<220>  
<221> unsure  
<222> (1)..(337)  
<223> n = a or c or g or t

<400> 3162  
cgggggctaag gggcttttatt nggctggggg aaggagatgg gaggagggag ctacagaggg 60  
cccggcatgt gggctctgac tcttacagat ggccaggagc tgggcagccc accagtactg 120  
agcgatggag cgtgggtagg gaggggtccac agtntccact cgccgtntgc aagattgact 180  
cggtagtact tgtctccaga gaagaagaag acactctgga tgggttcaca ggtggcaggc 240  
acaagcagtc catcctgtag tcatcatagt tnttggctcc caagttgctc tcctcactgg 300  
agaacaagga cagccacgtg gcgccgggat ggccggc 337

<210> 3163  
<211> 548  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T61389

<220>  
<221> unsure  
<222> (1)..(548)  
<223> n = a or c or g or t

<400> 3163  
tggggcagan anaagnnctt tattgatnnn ntcagnaatg cagggtctggc acccatcagc 60  
ttcaaaccac atcttatcgc atccactcct ntcencttcc nnncccatth tgccctnttt 120  
cagggtgaaa tcttgctttc aggcaagggc ttccggccag ccttgcattha gttctcagct 180  
atgggtcttct gaaccacgtc ctgggatgga agtcaccttc acatacacac catactcagc 240  
cacagcacag ctcttatcaa agcttaagat ccagatcgca taccagggtg tcctcctcca 300  
ggggctcgtg aacgggcaaa gggcactgcc cgcacgcgca taggcagggt gtctttcttg 360



ggtacttttag gacatggcca ggcacaggag ggtgtgtttc atttcagtat gggggccttgc 420  
 acccctacan gggctctttc ggggtgttctt ctttttcggg ggacttggtg ctggcctttc 480  
 ataatgnctt atggatttgg gttttgggtc aggcacagga nggcattgac atacttcaga 540  
 tggggcnca 548

<210> 3164  
 <211> 124  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T61649

<220>  
 <221> unsure  
 <222> (1)..(124)  
 <223> n = a or c or g or t

<400> 3164  
 gatttctcaa catcaaagtt taattattac aaaatatggt caagcaacag atagaatttc 60  
 aaaaacagta tttgctttnc ttccttggtt tgetccaaca ctaatcatgc tgagggtttt 120  
 gaag 124

<210> 3165  
 <211> 116  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T61654

<220>  
 <221> unsure  
 <222> (1)..(116)  
 <223> n = a or c or g or t

<400> 3165  
 ggctttgggg anggtcctcg agcgcgggct tggttctctg ctgaggtgct agaatgctcg 60  
 gtggccttgg gtggtactcg gccagtctgg gccgcgttct ccttgagagc ctcaag 116

<210> 3166  
 <211> 504  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T61801

<220>  
 <221> unsure  
 <222> (1)..(504)  
 <223> n = a or c or g or t

<400> 3166  
 aagtgaantt gcaatctgtc tttattatga gaaactgggg aggtgggnca ggcagactca 60  
 tgtcagaagn ccctcagtga gaagcaagaa gcaatctgtc tttattatga ggactaggag 120  
 gtgggccagg cagactcatg tcagaaggcc ctcaagttagt gcagcccagg agactgggtca 180  
 cattctgggg ttgcggaagg gccttgntgc attcagtttc tccacatcac tntagcagta 240  
 caaattgggc catggatgag gtacaagccg ggaccattgg cggaacatga gttagggcca 300  
 aggncttttc catacacaag gctccgtcta ccttctcatg gggnccaagg aagctctntc 360  
 cacgtggctt ggntcctgac ttcagggtcca gccaccacag cagccgtcct nccatgatat 420



ngagccgaga agaccagggc agataaaggc cgcattcaca gagtcaggnt aattccatga 480  
 nggggtccanc ttcttttcca gcgt 504

<210> 3167  
 <211> 595  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T62521

<220>  
 <221> unsure  
 <222> (1)..(595)  
 <223> n = a or c or g or t

<400> 3167  
 aacttaggtg ctcttttgcg ctatatactt taattcatgc aaaagtgata gaggactgga 60  
 cnttgaggct ctacagaggc ctttctgaga aagctgtgta gctccttact ctggcgaaga 120  
 acaagggggg gtacatcttg tcaatctcaa aagcactgac tgcagtctca ccagttgatt 180  
 tgtaagtaat gtgacaagaa tgatgtatcc agatgagttt gttgaacctc tggtgaccac 240  
 tggaacatag ctgtagcccc acatgaaaac tctgatctgc ttcttgtaca gggacacgac 300  
 gaaaatatct gtatttatag tcaagtgggt ttttcttctt ttttcttagt tattacagca 360  
 aatacttttg gtctgattgt ctgtgtcttg tgacaagcga tagtgaccca gtaggaattg 420  
 catcagtcct gggggattcc naggttctta aacgtgggga ccaatgggac tgagggtctt 480  
 tcagggggnt tgtccaccat ccatacacatg ggcccatccg ggggaaggatc cttattgtnc 540  
 cccatgtnat tagggnaagg ggagggccca aaccacaccc ccncaccan ggttt 595

<210> 3168  
 <211> 237  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T62918

<220>  
 <221> unsure  
 <222> (1)..(237)  
 <223> n = a or c or g or t

<400> 3168  
 tttttttaag aatcttctgg gcctctttat taagagccct ctgccttncc aggggagggga 60  
 agcaaatcct tcagggcccc cagagttcct gcaccccata tcatgggtga gnctaccagc 120  
 cacagagcca ccggtcaccg tggagaggct taagntgcac tcagagctcc ccccgggcat 180  
 gccgaatgta gtgttgatgc agccctgctt cctgagcaaa gtcttgaccg cactctg 237

<210> 3169  
 <211> 554  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T63364

<220>  
 <221> unsure  
 <222> (1)..(554)  
 <223> n = a or c or g or t

<400> 3169



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aagggcanaa atgattttat ttttaaagt ggacaggcaa gcagaggtgg ttggcaaagn 60
aaggtggctg acgatccgga anctgtacag gagagataag ggcactggct gcagagtccc 120
tatcgaagca tcatccgaac cctgcggtag gggtaggcca caccacggcc tgagccaagt 180
caatgccata tttntgggcg gccctcanga cactgcatag cgaccattga gatttgatcg 240
gtaacaggat gcataccacc aggnaccntg gacaatcact gcacagttgc tgttgcttga 300
ntcgtggtca gcgtcatagg tggtaaaggg cctcccactg tggagnctca gggaatcccc 360
tgcagtnctt ctgagaactt gcccagtgcc agatggtagt ggtctacctc accgaggagg 420
cggaaggctg catagtgggc gaaagtacgg ttaccattaa agtcttccag ctctacccgc 480
agcttccagt taccctggag antaagctgg tcaaattctc atttcccage cagaattcag 540
ctnttggttc caaa

```

<210> 3170

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T63490

<220>

<221> unsure

<222> (1) .. (426)

<223> n = a or c or g or t

<400> 3170

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gagattcaca gttattatnt acaaagaaac cataaaattg taagtaggtg aattcatcca 60
catactatnt cagtgagtat ttttgcttaa gatcatacca aagttgttcg tttctttggt 120
acgaaaaant tatttgcact gaaaaaaata tgttcattgt gtcttccttg cattctact 180
ctcaaaattc cattctcttt taaatgtcat cctcttcctt atcttacttg ganttcagg 240
tggtatatct ggcagttaca cacaaacaga ttacttttat gtggcttagt aaagggtgtaa 300
tagagtacta aaactaagtc tataagagan tttccatact caagtacagc ccagattcca 360
taatgctaga gcaaaaagca catgagtggg aaagtcaaca gggactcaat gggccacata 420
aaggcc

```

<210> 3171

<211> 306

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T64575

<220>

<221> unsure

<222> (1) .. (306)

<223> n = a or c or g or t

<400> 3171

```

tttttttttt cagtttttnaa gggttattta ttaaaccctt tggttctgac cccaagctga 60
gtgggactca gattcagacc ctgcactcag agagccccct gacttgggga agacagagca 120
gagaaaggca gcccantnt ggccaggntc agctggaagg aaggacaagg ggntgggaga 180
acccagantt caagagntct gggaaacagg gaacggcntt ccagacggag ggcacacctt 240
gggcatgggt aaggaaagcc catcgttttt tntaggaagc atggatggat gaaacggggg 300
cccagc

```

<210> 3172

<211> 421

<212> DNA

<213> Homo sapiens

<220>



<223> Genbank Accession No. T64887

<220>

<221> unsure

<222> (1) .. (421)

<223> n = a or c or g or t

<400> 3172

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ttngtaggtc cgataatgac ttttatttta acatatttaa ttacagacat aaaatagctt 60
ggggaggggg gtgagcccag ccttagcccc accatgggta ttagganggg aggcgcagng 120
gggccccctg ctgaccctct ntctgggggt nttcctatgg cggggcctat tgcttgantg 180
ggggaggagc catgcaaata agggggggcag ggcagccact cggccccacc ccaccccgag 240
gacggcctcc ccacagantg cccaggctnt gccccagccc cagntnntcc acctccttcc 300
tntntttcca gggagcagac cctttggcca gcccctgatt ttgcccntac ccnttttgca 360
aacctaaagg ggattaaata caaatTTTtac aaagtaaaag ggggtccaan attgccttgg 420
g                                                                 421
```

<210> 3173

<211> 422

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T64933

<220>

<221> unsure

<222> (1) .. (422)

<223> n = a or c or g or t

<400> 3173

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taaanntgat ttaaaaatta ctcttttact tttattacaa taaataatta tcaataatag 60
anttaaacaa tttcaattaa aacctactgc atnctttggg gtttacagca gcagancaaa 120
cataaatcca gttgaaaggg aaggcttcca gantccagtg acangaacag tctgggtcttg 180
attattcggg cnagcaatgg gaaacactga tacagataat gcaaaaacaa tgaaatgcat 240
cggcatactc tctttgtaca tcacattatc tgacacttta aaatattcca gctangtaat 300
ttaggcaggc catgaggctc tgtttctgca cagtnggggt tctccccag caggcccaca 360
gcacactgct ccnngggcca cccttggggc ngaacggggc ccatcatcan gcggcctgga 420
gg                                                                 422
```

<210> 3174

<211> 319

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T65443

<220>

<221> unsure

<222> (1) .. (319)

<223> n = a or c or g or t

<400> 3174

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ctctaaattt attagggagt ttgttacaaa tntnccggct ttacaggcat gatttcacgg 60
attcaaacaa gaaattaaca ctgatattta gccttctcat gacatacaca gaaataacat 120
tgctacaaac tgcaatggng agantcttgt ttcaaattggc ttagtttggg gttttgtcta 180
aatgtatcat tatataatga aagcaccnat ttgagggttt ctcaaatagt gatttgaatt 240
ttaggacata acagtataac atgggtaact ttattcttca tatataanta aggcatanct 300
gggangtgta ttaatgctg                                                                 319
```



<210> 3175  
<211> 550  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T65957

<220>  
<221> unsure  
<222> (1)..(550)  
<223> n = a or c or g or t

<400> 3175  
tagcaccgnc acaaatagca ctttttattt ccactatttg aagtctgaac tttaaacaga 60  
ttcttgactg gtggtcatat ccatcagctc gtcaacttag acctgtctcg tcccagtggc 120  
ttttcagaac tactgcctta ccatgaagct ccatgagttt ccaattcaaa cttgggcttc 180  
ttcagcattt ttacttttct aacgagacat catggagagg ataaatagat tggcaagcct 240  
tttctatgtc ttttccaatg ctgtctggaa tcaatttatt gaccacttct ttcaagtcac 300  
ttgtctgcac ctctcgggca tgatttccat catcttcttc cggattggcg ggacctgttg 360  
gngctgagca taagagggct tccgtatctg attgttgctt tttttaggta aanccaacac 420  
aggacagacg gaggcaagta accatcgga ggtcttgaca acaacggnag gcttcaatca 480  
atggnctgcc atttttttga ccatggncca cattttgtca cggggttagga ncctggccat 540  
ggaggttggt 550

<210> 3176  
<211> 554  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T65972

<220>  
<221> unsure  
<222> (1)..(554)  
<223> n = a or c or g or t

<400> 3176  
ttgagacgga nttcactctt gttgccagg ntggagtgc atggcaaata tcgactcact 60  
gcagcctctn cntcctgggt tgaagtgatt ctccctgcctc agcctcctga gtagctggga 120  
ttacaggcat gcgcaccacg cccagctaata tttatatttc tagtagagac ggggtttttc 180  
catgttggtc tggctggtct cgaactccta acctcaggtg atccacctgc ctccggccttc 240  
caaagtgtcg ggattacagg tgtgagccac tgtgccaggc cttttttaat ttttttttaa 300  
ttggggcagt cccagaagca gattagtttc agaggggact cccatttca ttttttgttt 360  
gctgcttatt cctctatacc aggggggtat tcaatctttt gggcttctct ggggccacgn 420  
tgggaaggaa ttgtccgggg ggccacacat aaaatacact aacgataact gatgagcttt 480  
aaaaaaaaaa tcacacacaa aaaatctcat gttttaagga aagtttacia atttgtgttt 540  
ggggctcatt caaa 554

<210> 3177  
<211> 570  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T66189

<220>  
<221> unsure  
<222> (1)..(570)



<223> n = a or c or g or t

<400> 3177

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gtcatctgca nnaagaccgg agttgcttcc atgtcactct cctctcaaga gaagctgcta 180
tttcagggtta aatggagtct gctctcatcc atgggttaaaa gtggattgag acgntctaca 240
gaganttcca tcttcttttt aaggaacaca tccgaacgan ttcagaaggg aaattttgat 300
atttaaaant cagtgtctct cacttcccac tccatccncc acctcccttt ntaagctcag 360
agcacagcgt tcctacggtc cagccaggga atctttccag aaaggggntt gagagtttcg 420
ggcccctgat gggagcgggt catttgctgg ccgtgaacgc tgggtttccc gtgatagctc 480
tccaaggtt cagggcgtga ttgtcatgtg taccttcgag gnttttnacg gnctcagggt 540
catggcgtnc ggttcacgtg atattcgtag                                     570
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<210> 3178

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T66935

<400> 3178

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atggaaccaa tttcactaat atttacttta agggcagaga agtcaaccaa gtcctcacag 120
tctcaagaat caaaaacaaa acaaaaatac aaacagagag caagtgggaa gataaataac 180
actccgaaat aacctagcta cacactttta gtttccaatt tttctagcat gaaatcactt 240
ttctcttcca tcctgtaaga cgtgttctct cctctctctt ctgagttggg ctgtgaagag 300
ctgccctggg tctcccgggt ctgacgggtg ttgtccacc catctgaggg caccagggg 360
aattgccctg ggggtccgga gccctggggg tttctggata gcct                                     404
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<210> 3179

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T67053

<220>

<221> unsure

<222> (1)..(445)

<223> n = a or c or g or t

<400> 3179

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gacttgggat ggggagagag acccctcccc tgggatccct gcagctccag ggtncggtg 120
gtnggggttag agttgggaac ctatgaacat tctntagggg ccactntctt ctccacggtg 180
ctcccttcat gcgtgacctg gcanctntag cttctgtggg acttccactg ctcgggcgte 240
aggctcaggt agctgctggc cgcgtacttn ttggtgctct gtttgaggag tttggtggtc 300
tccactcccn ccttnacggg gctgccatct gccttccagg gcactntcac agctcccggg 360
tagaagtcac tgatcagaca cactagtgtg gccttggttg cttggagctc ctgagaggan 420
ggcggaaca gagttacagt gggga                                     445
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<210> 3180

<211> 460

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T67231



<400> 3180  
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ccattctggc tccaaggctg catctctcca ctggactagc gagaggggtg tcagtgtttt 120  
gctcctgggt ctgcttccgg ctgcttattt gaatccttgc tctgcgatgg actattccct 180  
ggctgcagcc tcaactcttca tggcactgg ggcttggac aagttgttac tgactatgtt 240  
catggggatg ccttgcagaa agctgccaa gacagggctt tggcactttc agctttaacc 300  
tttgcctggc tttgctattt caactatcac gatgtggggc atctgcaaag ctgttgccat 360  
gctgtgggaa gctctgacct ttttgacttc atactttgaa ggaattgaat gtatgcctct 420  
tttgccctcg ctttgtcatg ccattaaagc tcacaataat 460

<210> 3181  
<211> 537  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T67520

<220>  
<221> unsure  
<222> (1)..(537)  
<223> n = a or c or g or t

<400> 3181  
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ttggaagcag cccatatacct gtgcgttttg tgaattttca ggtgagactc cctcaaccgc 120  
ctttccccc tcaactgccac accactgcta gtccatgggg agggggctgg gggttcagggtg 180  
ggacctcttg gttgggagcc tccattgcta ctttgcattt aaaggaccga gagtctcctc 240  
aagacaagac cactgttatg tgatggatgg ggggtgtctg ttgctggatc cagttccaaa 300  
aggtgcccag ggaacctggg gaaggtgact accctatacat ctcacaggga cccccacac 360  
tgggaacccc agcctcctgg ggtcctgggt ccaggggctc ttttccctcg ggctgggtcc 420  
atgggttgcg acaccacgg caccgggca tccacgntg gtncttcgag gggagggctt 480  
nagagggtca agctncacct tctntttccc tggggtngcc agattcanc cttncct 537

<210> 3182  
<211> 600  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T67705

<220>  
<221> unsure  
<222> (1)..(600)  
<223> n = a or c or g or t

<400> 3182  
agcatatatt tcttctttcc tacgccattg aagaggctga cgattataat aattacaatg 60  
aattacagaa ggagggtgga tctcagtcct ccaggggtcag ggactcttaa actacctcct 120  
ttctctcttt gtcagctct tccccatacc cctgtctcag tgtttcttcc tttcctcaaa 180  
atcctcaaca gagaagccag agctgggcag gtgtggggta tgggttagcc agagggtgtg 240  
tggggtcagg ccacctcgcc ggtcgatttc cgcttttct cacacaccca gcggtacacc 300  
tgcaggcaga agtcacgtt ccagcgcca tccggctggg actttcaaca cagtctttca 360  
ctttccaccc agctcgtgcc cgtgccaat atctgggctn aggtgacagn ccagttcttg 420  
tangtttgtg gcctataggt ctgntggcca ttccacccat ttnccaggg gccatnattg 480  
tnccgtggnt cggtnccga atttccttgc aagncctggg gggantccat angttttagg 540  
nggcggggcc gcaccgggtg gggaagcttc cagnttttng tttcctttan gtgaggggtt 600



<210> 3183  
<211> 571  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T67931

<220>  
<221> unsure  
<222> (1)..(571)  
<223> n = a or c or g or t

<400> 3183  
ggntagtttc aaactcctag gctcaagcta tcancctact ttggcctccc aagggtgctgg 60  
aattacagggt atgagccacc acacctggcc ttgtttcctg gcatttttacg gtatccaaat 120  
aattacagat caacagggtca acaactgtcg aaagcttacc tccattttct gtattcatgt 180  
cacagtatac tctatacgggt ttgacagaac tgtcagggtg aatgagatac atttcagatg 240  
tttcacctcc tttcctgata atttctcac attctgcaaa tgtaaggaca acattatggt 300  
caggggttta tggacataat tactttgtat ttaggtcacc aattctttaa aataacatta 360  
cataagttac taagggagtg tgttattata ggacctttgg gaaaataata ttaacanata 420  
ttaggggttn cattttactt taggtaaggt cccaaccag ttttgagggg cggtttatct 480  
ggctagngg ggtggaacaa ggctcttctc caccttttgt gtccgggggg gnttatccct 540  
ggagggctcc cgggnccaca caaatggggn g 571

<210> 3184  
<211> 480  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T68083

<220>  
<221> unsure  
<222> (1)..(480)  
<223> n = a or c or g or t

<400> 3184  
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ccctccacc tcttttaccg tccaacctt aggagacgt ttttctccc cagaggagaa 120  
tttatctttt tttttttttt ttttctttt tctcaccgg tgctttgcat ttgggaagag 180  
gtgatttcaa gaggggccag gtgggacgcc tctctctcc ttattcggt tactatttat 240  
tgttcggggt gttttttaat tctgtattg ctcgcccggg ggagtttcgc cccctagccc 300  
ggctccgagg cggagnaatn ggggtgtggga aacggctggg gcgcgctggg tgatgttccc 360  
tctnacagat gatctnatct ggggtgggtg aaagcagccg tcgggactgg gtgctgcccg 420  
ccaagctgcn ggaacctntt cgcggggaga aacgtntca tcaacnggcg gcggggagag 480

<210> 3185  
<211> 469  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T68426

<220>  
<221> unsure  
<222> (1)..(469)  
<223> n = a or c or g or t



<400> 3185  
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 aaaggcaggt catgaagnag agagtncac agactcggct ctcgaaccgg ggcaggagg 120  
 acaaggtgag ctgtcagccc acaggacggg cgggctgggt ggacacagcc cccaagttgg 180  
 ccaagctgag tctctggcg agtggctccc aggagaggcc tggctgagca ggcagacacc 240  
 ctgggacccc agggcangaa ggcccctgcc ctccagtcct caagcccagg ccttcttcca 300  
 ctcatacacg ccacctacat gtgacgtcac cctgaaaagg taacaggaaa gttcaganca 360  
 aaaacaaaac cccaaaanta aaaaggctac gtntagcana gtattcccgg aaacntntn 420  
 tncacaggcn gtnntggccc cctcgngtt ttccgggtca ctttggggg 469

<210> 3186

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T68510

<400> 3186  
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 ttatcctcat ttgatttggc cagaaagtag gtaatatgca ttgattggct tctgattcca 120  
 attcagtata gcaaggtgct aggttttttc ctttccccac ctgtctctta gcctggggaa 180  
 ttaaattgaga agccttagaa tgggtggccc ttgtgacctg aaacacttcc cacataagct 240  
 acttaacaag attgtcatgg gagctgcaga ttccattgcc caccaaagac taggaacaca 300  
 cacatatcca tacaccaaag ggaaaggaca atttctggaa atgctgtttc ttctgggtgg 360  
 gttccctctt ctgggcttgc t 381

<210> 3187

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T68711

<220>

<221> unsure

<222> (1) .. (440)

<223> n = a or c or g or t

<400> 3187  
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 ccctgttgtt ganctcatca gtggtcgcca agtaagaggg tgaatcactc atcccaagag 120  
 actctgctac ctcttagctc tggagggtaa aaagcaaggg ccagagcaaa tacattgggg 180  
 agaggggggag aaaaaaaaaa tcaggctatt ttaatagccc tcacatgcca agtgcttttg 240  
 attcatcatg tttagttttc ataagcttgt gaggtagata atattatccc cattttatag 300  
 atgaggggaat ttaggctcca atggggntaa ataacttgta caagnacaca tactggaatg 360  
 actgccatga gggaggggaat gtgaattttg ggtcacgggg ccaacaccct acactcttcc 420  
 taccntgcc acactgggca 440

<210> 3188

<211> 453

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T68855

<220>

<221> unsure



<222> (1)..(453)  
<223> n = a or c or g or t

<400> 3188  
ctgtttacct ctctttttca ctctctctca ttccgttccc tttcttcttt caacatctaa 60  
catggtaaag ttttgtgcta ataaccaagg caagacaaaa cttatattca tgttcttcca 120  
taaagaatct catatcatca taggaaggcc aaggccagaa gggaaaagaa agagaaagaa 180  
gaggggaatc caaatgaatg tctcttagat gtctcactgc gcacgggctt ttccggacat 240  
cttccactcc ttgtctcgaa gcttggtcgc ttgaattttc cctgtgacag tcttggggca 300  
ggttcaagga caaactctat ctttcttggg gtacttgtat gggggctgtc actgactttc 360  
acatgctgct gcagctcctt gggtgagctg tttctggggt catgggggac aggggaactnc 420  
gaggccaggg gnccacaaat gcctttcacc acc 453

<210> 3189  
<211> 244  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T68873

<220>  
<221> unsure  
<222> (1)..(244)  
<223> n = a or c or g or t

<400> 3189  
nttttttttt ttttcaagtc aaaactgttt tattgtcngt ttacatattt aatagaaaaa 60  
ggaatgtagc aaatgctcag ggttgtatga aaaaaaaatc caggtttggt caggttgctc 120  
tgtttacatc tgggagcagg gctgtcccca catcaggcac agcagctgca cttctccgac 180  
gcccctttgc agacgcagcc ctgggacact tggcacagcc atggnagacc aggagcagca 240  
gctc 244

<210> 3190  
<211> 188  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T68878

<220>  
<221> unsure  
<222> (1)..(188)  
<223> n = a or c or g or t

<400> 3190  
tttttggant tcaaaagacc cntttattcc aaagctgagg tcacaaatac aaaacttgcg 60  
ccttcatggc ctctgtcccc tgccccccac caccagacaa ttccccagcc atggtaagat 120  
gccttntgaa cctgcaatcc ctttngnaaa agaccccgat ntttgctcct ccaggntccc 180  
aaggccgg 188

<210> 3191  
<211> 393  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T69009

<220>



<221> unsure  
 <222> (1)..(393)  
 <223> n = a or c or g or t

<400> 3191  
 gttgaaannt ttattttcang gattttaaatc caccctcttc cgagaacacc agattaaaag 60  
 acctccagca atccatgatt ctagtatact catctctgac tgctgtatgt aagatgtgat 120  
 ttgattaaag nangacagac aacangtgca tttattaggg ncaacattct gaatactcac 180  
 gagtagttat cttgcacact taaccctagg ccagaggaca cagggcaacc acacaggana 240  
 aggtaccag ggcagngtca ctggagtttt gcttatacca caaaaggagt taaggcagtt 300  
 taattcaagg atgcgaaaac tacgtctatg acataaaacn tgacattcac aanttaactc 360  
 agcctttaaa natgtcccca antaccaacn agt 393

<210> 3192  
 <211> 454  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T69020

<220>  
 <221> unsure  
 <222> (1)..(454)  
 <223> n = a or c or g or t

<400> 3192  
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 ggagcagcca cccccaagta cattttattc ccaggnatat ttattttggg actaatagca 120  
 atcaaaacag agtaagcgga aggtcttttt tgtaagggtg agatgactgt gtccctgcag 180  
 cctggacact gactgctgca atgaaattgg atctgttgag catgtcttcc aaggacagat 240  
 ttggatagta agccaggtag aaggccagag ctcccacaaa gctntcacca gcacccgtgg 300  
 tatccacagc cttgactttc tctgtgggaa tgtgctttgg ctcaggttct gtctgtgaca 360  
 gcaccacaca tccttcagcc cctaaggnta atgattacca cctgggcagc cccttttcaa 420  
 ggagcactan tgcagcctnc ccagcatctt ncag 454

<210> 3193  
 <211> 469  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T69029

<220>  
 <221> unsure  
 <222> (1)..(469)  
 <223> n = a or c or g or t

<400> 3193  
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 aaggngtggc acctatcagc ttcaaaccac atcttatcgc anccactcct gtccactccc 120  
 gtccactttg ccctcttcca ggggtgaaatc ttgctttcag gcaaggngnt ccggcagcct 180  
 tgcattagtt ctcagctatg gncttctgaa cccagtcctg ggtggaagtc accttcacat 240  
 acacaccata ctcagccaca gcacagctct tatcaaagct taagatccca gtcgcatacc 300  
 aggggtcctc ctccaggggc gtgaacggca aaggcactgc cgnatcgcca tagcagngt 360  
 cttcttggn a cttaggacat gccagcacag aagggtgntt cattcagnat ggggctgcac 420  
 ccctacaggg ctcttcggng tcttctttnc ggggactntg ctgcctnca 469

<210> 3194  
 <211> 416



<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. T69164

<220>

<221> unsure

<222> (1)..(416)

<223> n = a or c or g or t

<400> 3194

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cctgagaagc tgggtattaca gacgtgcacc accatgcctg actaatTTTT gtatttttag 120
tagagacaag ttttcgctat gctggccagg ctgacctga actcctagcc tcctcatatg 180
atccacccac ctcagtctcc caaagtgtg ggattacaag cgtgagcacc ttgcacagcc 240
aatcaagtc acttttaaaa tacaaattta ttatatgtct aaggacatta tcgataaagt 300
gaaaacacaa cccacagaat ggggaggaaa atatttggca aaccatgtat ctggataagg 360
ggtctaggaa tccaggaata tattaaagga actctttaca acttcaggta nttaaa 416
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<210> 3195

<211> 419

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T69284

<220>

<221> unsure

<222> (1)..(419)

<223> n = a or c or g or t

<400> 3195

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gtgactaaat ggagtttatt ccatcaaagc aaggttgatt taatttttaa aaatcgatat 60
gtgttatgta taatatcaca ttatctcatt aaaaagcatg tatctagcgg cataactgtg 120
tgtattaaga ctaaaaatat agtatcctga tactttacta cacactttaa aggtgttaac 180
ttatttcatc atccccacaa ttttcatgaa ataaggaaatg attattttct ctcagctgca 240
aatacatggg ctggaaacac aaaggtaact gggctctagg atcatgtagg caattaaggt 300
gacagaggct gtggaatcca gtttaggata gggcctgact gggnggcact tcattatatt 360
gtcttttcagg gngtctatac ctgacctggg nggggctctg tattgggggg gggttgccct 419
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<210> 3196

<211> 466

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T69305

<220>

<221> unsure

<222> (1)..(466)

<223> n = a or c or g or t

<400> 3196

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tttattctgc cactgctaca gggccctactg tcatttccag cccactgagg ttgagggtat 60
ggccaggctg ggattcacac agggccagga tgaaaggac accnngtgn ttgggggtggg 120
gggtggctggc ttgatccct accccagtgg gttggccagg tgatcagagc ctccaggttc 180
cctcacacac agcctgggta catttctgcc gtcaggggcc ggaagactgg gcccggtnt 240
ccagtacaaa cagagggtca accacgatcc ccacattgaa gccctcacgg caccaaccgg 300
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gtntttcatc agttttgaac gtgctgggtg acctccatgg gcgtnctggg ggatgcggat 360  
gaaatggggg gntagcgtag gnaggggagc caagcgcgaa cgttcttngg ttacaacttt 420  
ttttccccgt tcgaaagttt ttggccgggg nttaagcttn cacagc 466

<210> 3197  
<211> 234  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T69384

<220>  
<221> unsure  
<222> (1)..(234)  
<223> n = a or c or g or t

<400> 3197  
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gcctctgnct cttagggagc agagagcaga actccgcagc ccagcccaga ggagtgtcac 120  
ctcccacctt tggagaggaa tccttccctc ccctggacaa agttgctgac aagtgtgaa 180  
gtggcctctc catattccag ctgagcctga atctgactct tnagggttgg gctt 234

<210> 3198  
<211> 586  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T69728

<220>  
<221> unsure  
<222> (1)..(586)  
<223> n = a or c or g or t

<400> 3198  
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tctgatttag atcttccttt cataaacaca ttgatacttg ttcaaggaca gctgtaaata 120  
catccaattt cttttctttt tatccccctc tacaactctg cttggctaca aaaatctagg 180  
actcacagag caacagcagc gatggtcaga aaataagtg cagttccaat gcaagaactc 240  
tctaaagttc attggtcaca atttttttta accacctcac ctaccatgac ttttttcttt 300  
tctcattatc tngccaatta tttctttcga aattcaatcc tccgagctac attctgaggc 360  
accaaatttt ttgaccaatg cctctctggg gatcctcatc atcttttngg caaatctatg 420  
gncatcttgt cggggaccaa agggggatat ccatcaggct ctctggacca gacggctagg 480  
agggcgggaa ggaggcctcc aggttcacca ctatttttag ggnaggcct gtgnaactgg 540  
tggaaggncc caggtaaacc ttctccatta actgccgaag gaccta 586

<210> 3199  
<211> 492  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T70087

<220>  
<221> unsure  
<222> (1)..(492)  
<223> n = a or c or g or t



<400> 3199  
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 ttctcttcag catttttagcc agagtaggag tcggtggtga atacaagttt gtcactttat 120  
 ggattatatt ttagggtgaa tatcagagct ggtgtccatc atgtgaacag gcagcatggt 180  
 actggtgggg agaggggtgg aagtacagag tactagggcc ccaggagcta atattgctaa 240  
 cttgacaata ttggtaaaag ctagaccngt taagaactac cngcaatggt tagtactgaa 300  
 agcaaaaggg gaaggattca tcaggctaaa ataaaaaggg gaaactagca ggttgggcat 360  
 aggggcagaa cccangggaa aaccaaaacc aaaacccccc aaaaaactac taggatttcc 420  
 ccgaaaagtg gggaaaagcc cnaaatctcc aggnccattt aatgacagcc aggtatttnc 480  
 caaatgtagg gg 492

<210> 3200  
 <211> 375  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T71012

<220>  
 <221> unsure  
 <222> (1)..(375)  
 <223> n = a or c or g or t

<400> 3200  
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 anggttttcc nacgacaagg ataaaagacc cctcttcctt atttgaaaat tctcgcaatc 180  
 aactagaact gaaattatga acaccaactc tgtcaaaact atacttttgt tacttcttgg 240  
 ggagcaagag aaatgaagaa ancaaaagaa aatcatgtgc tattttaatg taatttatcc 300  
 natacttttt tcaaaaagtc acactcacgt ctgcttgaga gtttttagagg ggatataatg 360  
 tatgaaagga anttc 375

<210> 3201  
 <211> 454  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T71021

<220>  
 <221> unsure  
 <222> (1)..(454)  
 <223> n = a or c or g or t

<400> 3201  
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 gaaaccatcc tgcagcccct ctgggtcagc agtgaaggag cagagagagg gaacctcctt 180  
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 tgacagagaa acagcctcct cctctttcca ccgttgagcc cccggagttg ccagcctagg 300  
 cccccaatnt cacagctgcc aaggcctggg ggtcatctgc tgattgaacc ttccccatcc 360  
 ccattttgca gattgaaaca cagcgtcca aagacagcg acgagtcacc caaggtcacg 420  
 gtgctggagc aagtggcaga gnaggacgg ggat 454

<210> 3202  
 <211> 390  
 <212> DNA  
 <213> Homo sapiens



<220>  
<223> Genbank Accession No. T71373

<220>  
<221> unsure  
<222> (1)..(390)  
<223> n = a or c or g or t

<400> 3202  
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aaaggcagcc ccagtgtggc cagggctcag ctggaaggaa ggacaagggg ctgggagaac 180  
ccagagttca agagatctgg gaaacagggg acggcattcc agacggaggg cacaccttgg 240  
gcatgggtaa ggaaagccca tcgtntnttc taggaagcat ggatggatga aacgggggtcc 300  
cagccgctat ggacagcccc gagtttcacc tntaaaaggc aggattattt gtttttaatt 360  
ttaattttta tttttttgag acagtcttgc 390

<210> 3203  
<211> 177  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T71776

<220>  
<221> unsure  
<222> (1)..(177)  
<223> n = a or c or g or t

<400> 3203  
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taaaacacaa aagctttttg aaatgctgat aaaggaaccc ataccngaga gaccaaataa 120  
aatccgagtn ctgagctggc catggntttg gcaggtcagc agcacatgga ggcacag 177

<210> 3204  
<211> 482  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T71978

<220>  
<221> unsure  
<222> (1)..(482)  
<223> n = a or c or g or t

<400> 3204  
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agctgtccaa tttctaaggt gactctgctg tgacagtgat tggcctctgt cccctgcagc 120  
tgcgaggccc ctgtctgagc tgggtgtgcc acgccttntg cctgtntcct ccaccgggca 180  
tcttctctcc cctgcattc tgggaatgcc atcctggaca cactgagagg cctaggtggg 240  
tttntctccc tgccacccac ctgagtcctg ccagtgcctt ggccctggnc ctgggtctgc 300  
cgccatccct tgtccagttg ggttgaggca ccgtgtcttg ggccttgctc ctccaggggc 360  
agagcgcggc agccttttac ccccacagcg ttgcagccct gcagntgggn cctnagccct 420  
ggggaggagg ccttttcttt tncagagaga acttggncct gcaattttca gcttncctat 480  
gg 482

<210> 3205  
<211> 382



<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T72171

<220>  
<221> unsure  
<222> (1)..(382)  
<223> n = a or c or g or t

<400> 3205  
ctaagaataa atattttat ttt caatatggaa gtacaacatc tgcaacagta cttatgcatt 60  
tttttttacta ttttcctgtc actgaagtgt tttaccctca gggctagaat ttcagatact 120  
acatcattac cactcactgt gccatttata ctcaagcttt aaatacatag tgtctgaaat 180  
aaaatctagt ttggtagggt gtaatgagtt ggcattgtaca ggtagagggga aggttggtga 240  
aggntctggg gatacaaaaag taccantatt cagtgaantt agagccaaaa aggagattcc 300  
tacttaaaaca agtgggggaca gggggtgcta tatatgggaa agggagtcctg attgggggata 360  
caggaaaagg aggggtctat ga 382

<210> 3206  
<211> 375  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T72268

<220>  
<221> unsure  
<222> (1)..(375)  
<223> n = a or c or g or t

<400> 3206  
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cccaaattcct catcttggag tttctccttc agccagggca gcacttgaaa gaggttgatg 120  
tgaaagtctc gggcgtgann ggttacctgc ttttgccgnt tctgggtttt gcagacatcc 180  
actactcccc agctgattac accaacttga atgaaacgan ttctcttggtg aactatcaag 240  
gggccgccag antcacctnt gcaagtnttg gggtcagcat agggactcac tcctccagta 300  
caaagggaac cgagggtgga ccacctntga ggatgtccct tgantttgtc atagcctggg 360  
ggcaatattt gaggc 375

<210> 3207  
<211> 346  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T72502

<220>  
<221> unsure  
<222> (1)..(346)  
<223> n = a or c or g or t

<400> 3207  
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acgaaaggac ataagcagaa gatactaaca cagaacaaca aagacctaaa ggtgcctttg 120  
caaaaatcat gacctgtgaa tgtgacctta tttggaaata gtctttacag atgtatttag 180  
ttaagagcag gtaattnggg tggaccctaa tccagcatga ctggggtcct tagaagagga 240  
aantttggga aaaagacaca gggagagcat catgtgatga cagaggcagn tcatgggagt 300



gatgtgggct gcacccaggg gaactcccaa agttccaagt gccacc

346

<210> 3208

<211> 141

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T72629

<220>

<221> unsure

<222> (1)..(141)

<223> n = a or c or g or t

<400> 3208

gananantag agtttataat tttggggcag gaaggaagta actgtaaaaa gaaaaacaag 60  
tgcaagtttt ctttaaaaaa ataataggct gatgggactt gctatcgaag gggttgagtt 120  
ctaaaactag gactggtgag t 141

<210> 3209

<211> 322

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T72906

<220>

<221> unsure

<222> (1)..(322)

<223> n = a or c or g or t

<400> 3209

tttttggaaa tacaggaact cttttaatat tgcttagctt acaagctctc caggntgggg 60  
atggagcctc agttagattg atacagtttg cagagtgcct ggcttagtcg atgttcaata 120  
acatttgggg caggagggag tgaataaagg tatacatggg tgaacaaaat aacacagtct 180  
aggctgggca cggtcgctca cgcctataat cccagcactt tgggaggccn aggtnggcag 240  
atcacaaggt cagaagttca agaccagcct ggccaataag gtgaanccca tctctactaa 300  
aantacaaaa nttagccggg ca 322

<210> 3210

<211> 252

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T73420

<220>

<221> unsure

<222> (1)..(252)

<223> n = a or c or g or t

<400> 3210

attgtccatg ggaggaggag gagggctggt tgagctgcac ancttcact gtcctccggg 60  
ccaccgtctc cggcttcagt gggggaaaga ggttgggaaa cctgactctc atgccctgga 120  
acatctcgnt gctggtgtng aagggcagca ctgtggtngc gcttactccc ggacagtnca 180  
gcagccccag ggtcaggctc tccatgaagg cgaaggttga cgctttggat ttgcagtagt 240  
cgatggcacc gg 252



<210> 3211  
<211> 346  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T73433

<220>  
<221> unsure  
<222> (1)..(346)  
<223> n = a or c or g or t

<400> 3211  
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acgtattggt caaaaatcac aagcatctgt ggaaaaaac taagggtatta cagacactac 120  
acggagggtca tggtctttaca ttcaagacac taaatacaaaa ccgangcant gcaaaaattgt 180  
atactttaat tttaaaaccc antttttggt ctcaacttga aaagggnaac acttttttgt 240  
ttcacaaaca agctgggtcg ggttgggant tctttttggg aacagtaggt cccgcgctaa 300  
acactggggt cttgcctccc caccctcctt ctctaaaatn aacca 346

<210> 3212  
<211> 241  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T73442

<220>  
<221> unsure  
<222> (1)..(241)  
<223> n = a or c or g or t

<400> 3212  
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tttgatgcta ttatcttggt tttntacaaa anttttaagt gaagttactt ctgggtgttc 120  
tggagtttca gggtgatttt gaattaagtt agttagttgc tcttctaaat atttcacttt 180  
ttgttgaagt agaatttttt nttctaggag gctttcaagt tttgagttga gttcaagnga 240  
c 241

<210> 3213  
<211> 332  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T73739

<220>  
<221> unsure  
<222> (1)..(332)  
<223> n = a or c or g or t

<400> 3213  
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atltggaagg cactgggttt tgcgccaag tggacttttt ccaggaggtg ccactggagg 120  
gaaaagggtc gcttgggcca gggaggctgc ctggttctgc ctcccgggnt ggntcattgg 180  
ctttcctntc cccaggcctg gaggacctg caggntcttt ttntcctna tccctcagg 240  
tgggcatggg acangtttt gccantgcca gctttttgcc antggnaggt tcacanctn 300  
ttnttggggc attgntgcag ggccgcctc ag 332



<210> 3214  
<211> 314  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T74542

<220>  
<221> unsure  
<222> (1)..(314)  
<223> n = a or c or g or t

<400> 3214  
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tttccgggaa aacttggatt tcccaagacc cgaagactcc tccaagttct cactgttagt 120  
aaggtcaatt tgggggcaga acaggaacat gccttagctg ctntcaggaa atagaagagc 180  
aganagagtt gggcatggag gctccagctc aganttggga agatggagaa gagccntccc 240  
aantccagag tgantaggtt tcatagcacc cntntcctct ntttnaagga agcaggcccc 300  
taaagggaaa caca 314

<210> 3215  
<211> 532  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T74608

<220>  
<221> unsure  
<222> (1)..(532)  
<223> n = a or c or g or t

<400> 3215  
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gaacatcagt gcctttccgc acacccccgt ccaggaagac ttccaccttc ccttccacag 120  
cctccacaat ttctggcaga acatcaatag tggtggcac cccatcgagt tgctcgagccc 180  
catgattcga caccaagatc ccattcaagc catgtttaac agcctccctg ggcacatca 240  
cctctcaaaa tgccctttgc aacaattggc aatgatgtca gtcttctcag ccatttgata 300  
tcttcccagc tgataggatg ggggtctattt gctttaggcc acatatgcag gcaagtccac 360  
ttgtcgtctt ccaaaatttt tcctcagga ggaatgga taaagtactg ggttttcaaa 420  
aatttttttc atcctggagg ttgtggggcg ggcagttttg gaatctgttt acgggacatc 480  
attccaggac gggttgcccg ggggaagggt nttgtgccac tgttcacaat at 532

<210> 3216  
<211> 174  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T74884

<220>  
<221> unsure  
<222> (1)..(174)  
<223> n = a or c or g or t

<400> 3216  
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tttttcttcc catgaggaac gtggctcagt gaaaatggng acttgatatt taaccgatcc 180
ctttcagcct cctcttcttc atcgtatctc tcatectcca cttcatcttc cacatcactg 240
ctctgaggac tggaggcctg agaccctgaa ggagaagggtg gnactgagga aggcctgggg 300
atattttaaat ccttctgtcg ttggntgggt gatgttagtt ccacatggga atttatctgg 360
gaaaagctct gcttaaattg cagggngtct gggcatgctg ggtaatatct gcctaaggta 420
tctccaatcc agaagatctg agagcctctc agttctgttc cncctggataa tcctttgggc 480
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<210> 3220

<211> 420

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T78889

<220>

<221> unsure

<222> (1) .. (420)

<223> n = a or c or g or t

<400> 3220

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gggtcccactt ctctccaatc ttgtagttca caccattgtc atggcaccat ctagatgaat 120
cacatctgaa atgaccactt ccaaagccta agcactggca caacagttta aagcctgatt 180
cagacattcg ttcccactca tctccaacgg cataatggga aactgtgtag gggtaaaagc 240
acgagtcacg cgtagggttg gttcaagcct tcggtgacag agttgcccac gggtaacaac 300
ctntttcccg aaccttatgc ctctgctggg tcttttcagg tgccctccact tatggatgtt 360
gtagggtggg gcacctctgg gtnagggggc ctgtcagagg tggggcactg ggtaggaagg 420

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<210> 3221

<211> 273

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T78922

<220>

<221> unsure

<222> (1) .. (273)

<223> n = a or c or g or t

<400> 3221

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actaacaagg aggagtgccg gcaccgcaag agccctccca gaagcgccca gactgggggt 120
cggggaggac gctgccattc gtggccagga agggaagggc gattccggag agngtgggc 180
acggcgagg gaaaggccgg ntggtnngnt nggcaggag gcggggtacc ngccccttaa 240
gaaaggggaa ctcgcagacn tagtagagac gcc 273

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<210> 3222

<211> 389

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T79477



<220>  
 <221> unsure  
 <222> (1)..(389)  
 <223> n = a or c or g or t

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 agtcatctgc ttcccacctt cctccaaatg ttatcccaga acattctgga ggcagggaga 180  
 aggggaggca gctaatacaga gtctgagagc acgatgatct cttctgggat cgcatttgtt 240  
 gggccacact tgtcttgcaa gtaccagggc cgaggggagnc tgggtggaatg ggggggggtt 300  
 gggggacagc cgggctggga ggaaggggat gcagagggga gctgggtcac cggggccatg 360  
 gcttggggga gagttcccc ctcgtggga 389

<210> 3223  
 <211> 379  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T79758

<220>  
 <221> unsure  
 <222> (1)..(379)  
 <223> n = a or c or g or t

<400> 3223  
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 gattcccagc ttggcctctc aaagtgtctag gattacaggc gtgtgcacta cacctggctt 120  
 cagantccta aagtgtcaac attgcccaag ttaatatata catttaatgc acttctggct 180  
 gtgttcccaa tgctctgaaa gggtagcaa aacctctttt cttttttcac agggaaaatg 240  
 ataataattc accttctcta ggtactatct cctttaaatc atggataatg gatggtaatg 300  
 tcagggtgtt gggcaggggn aacactactt ttaataaaaa atggaccctt atttgggggn 360  
 taactggcan tggngggg 379

<210> 3224  
 <211> 403  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T79842

<400> 3224  
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 gggaagtgtt gtcttcagag aggttctgat gctaacaagc cacaggggtg acgaatacaa 180  
 atgtcaaagg tgtaaatcaa cagaagatta aagagaaaag aggaggaaaa gggtgataac 240  
 tcattggctg atgccattta aaaacaaatg gggtcagaga cttctggagt catgtggcag 300  
 ggcaggatgt actcctgtag gcactgatcc gcagagtcct caaaacatgc cacgccaact 360  
 tttcacctga atctcttcca ggaacaagca ctatttctat taa 403

<210> 3225  
 <211> 519  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T79863



<220>  
 <221> unsure  
 <222> (1)..(519)  
 <223> n = a or c or g or t

<400> 3225  
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 gaaataggaa agtgtaaccc acactcagga ggaaaggtaa ttaacaggaa ctaagcccaa 120  
 aatatcacag atgtacttgt ttctttatctt gatatgatgg aaatgcactg aaaattttaa 180  
 gattaaataa aatatggcag tatagtata tgcatgacac tttaaaatgc tgtcangttg 240  
 gctgggcag gtggtgcgtg cctgtaatcc cagctaccgc ggaggccgag gcaggaggan 300  
 tcgcccgaac cgggcaggcg gantttgcag ncgaccncga ggntcttccc attgcactcc 360  
 agcctggggc gacagggggc agactctggc atccccggag gtcctcttng ttgttaaaca 420  
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 gggggggnca tcttttgacc ccttttgct tgnccagttt 519

<210> 3226  
 <211> 495  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T81315

<220>  
 <221> unsure  
 <222> (1)..(495)  
 <223> n = a or c or g or t

<400> 3226  
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 cccagctctt gggcaaaca cagtctcagg taggcagatc tattactcga gggtaggggc 180  
 tgagactcta ggggcaatgt cttgtgctgg gcgccgcgaa accctgctcc tgccctgact 240  
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 gctctcttgt tgacttgtgg gcccagaag tcaaacaac cctgttgtt tccctgggta 360  
 acattgtcta ataaaggaa ccactttata ggcaatttga aagtcttcat ccatggactt 420  
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 ttaactctga ccaaa 495

<210> 3227  
 <211> 456  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T81393

<220>  
 <221> unsure  
 <222> (1)..(456)  
 <223> n = a or c or g or t

<400> 3227  
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 gcacgctgag ccagggcagt nttccctaca cgccactgga cagcctgtna atcctacgtc 180  
 ccacacgagt ngatgagcga cggcagtaag ggcaccanta acacaggagg tggggacagt 240  
 cactntcaca ggggtacacgg gctgatatgc gtgcgtccta gggagtntag ncctaggacc 300  
 tagcttaggg aacatggggg ctccgaccca gccacggggg ggccacttgt gggggcaccc 360  
 ggggggtgnaa cacctggggg gaaacacagc cttacttttt taggaggggg cagacacttg 420



ggggcagcgg ggggttgggc cacgggcagg ctttcc

456

<210> 3228

<211> 292

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T82254

<220>

<221> unsure

<222> (1) .. (292)

<223> n = a or c or g or t

<400> 3228

```
taagttttat tattataatt acaaattaat tcagagaaac tgaagccatt cttcatacat 60
gacaaacata catttcctct gtgtgtacag cacacaagta atatacacia atatattcca 120
tgtctgaaca aatccttttt aaaactttta aagctggctg ggcacagtgg ctcacgcccg 180
taatcccggc actttgggag gccaaaggcg gtggatcaca aggtgagaag atcgagacca 240
tcctggccaa catagtgaaga ccccaattca ttaaaaaaaaa aaagagntaa at 292
```

<210> 3229

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T82259

<220>

<221> unsure

<222> (1) .. (407)

<223> n = a or c or g or t

<400> 3229

```
agcatttggg canggttgag gcattcacta tcaatttact gctttcctca agcaaaaagg 60
tcaagtattc aacttaagct gcaacatcag caacacttac caattataaa ttcctgaatg 120
agggtcaaat aatggcaggc agagacattc tcagaaatcc actgaataat ctttaaaaag 180
tcagacagaa ctctgttggg attttaaatt gctctctgcc tccactacca aagaagtaca 240
aatatacatg aatcttttgc attctatacc tatttttagga attgcctaag gaatatactc 300
acttctatac tatcttcaag gatacataat gcaattctgg ggtagggtta aacgggtatt 360
ttataagggt aggtcccttt tttatacatc tttttaataa atctcct 407
```

<210> 3230

<211> 294

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T82323

<400> 3230

```
tttttttttt ttacacagca aatcccaagc cttcccagtc tcacaccttt ccaccattc 60
ataaaaaaac acacgaattt ctgcgaagtt ccaatatcac tgtctcttta tcacttaaat 120
agggccagtt ggacacctca ttgaaacaaa aaggctgatc tagatgaagt actctttctt 180
ttcttcggag ttgttctgtc ctcttctgtc attgattata gctgtgtctg cgtctgtctg 240
gtcatcggct cctttggctt catgagtga gtaggtacct ttatgtctgg caaa 294
```

<210> 3231

<211> 394



<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T83356

<220>  
<221> unsure  
<222> (1)..(394)  
<223> n = a or c or g or t

<400> 3231  
tttaaattca gtagctttat ttttaaattt caattagggt cccttggatg aacaagaaac 60  
aaagtgtgac attttatgtg gnatctgaaa accaccctta gnatggcttt acatcggatg 120  
catcagtttt ccaaaaagcc agagaactgt gttcccttga agcatttggg gacttcgata 180  
gtgccatcta tacactgagc atcctctgta tagctacact tcttttcctt atttttgcag 240  
aaggaaagaa actttatcac ccatgtaggc attcccattc cttaaatttt tccctggaat 300  
cctttactct ctctccttgg ggacaccaca gtgggctttt ttcacagggg acctttacca 360  
aggatgcctt taccaanctt gggcctntgg cagg 394

<210> 3232  
<211> 441  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T83397

<220>  
<221> unsure  
<222> (1)..(441)  
<223> n = a or c or g or t

<400> 3232  
ctgcctgggt gtgctcccag gcacgcacaa gggctccctg aagccccacg attaccccaa 60  
gtnggagggg ggagttaaca aaatgttcca cgggatccag gactacgagg aaaacaaggc 120  
ccgggtgcac ctggtgatgg agaaggcgga cactgttttc ttccatcctt tgnctcatcc 180  
acggatctgg tcagaataaa acccagggat tccggaaggc aatttcctgc catttcgcca 240  
gtgccgattg ccactacatt gacgtgaagg gcaccagttc aaggaaaaca ttcgagaagg 300  
gaagttgtta gggaataggc acataaaaatt ctttgggagg ctgnaaanta ggcgtngaan 360  
tttgaagggt tattttggga tgttttcgga gcttcgattt gttgnaaagg gaggaagaa 420  
ccattttttg gaattaggcc t 441

<210> 3233  
<211> 438  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T84084

<220>  
<221> unsure  
<222> (1)..(438)  
<223> n = a or c or g or t

<400> 3233  
tatttttcca tttctttaat cttagcaaac tttttattat tattattatc aagaggagag 60  
tntgagaaag atgtgatggc aacccttaag gtcattttaa aactttacac tggactgtac 120  
aagatttttt tttgataaac tattttacatt ttcagacttt caaacatatt caaagcagca 180  
atagacacta gtttttatgt ttttttcttt ttttctaatt gcccaaatag ttaccagcca 240



```
tgggccaaagt aggtacctgc attatacata gaattttctac aaagnaaatc tgcagttaaa 300
atttgctcca ggggtgtatt aaatgccctt agcaattcaa gggccacacc cagtgttgct 360
ataggggacc aaagcacagg tacccttgac aacagagggt gccaggttgt ccccaaccag 420
cccnttccac aaaccttt                                     438
```

```
<210> 3234
<211> 389
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. T84491
```

```
<220>
<221> unsure
<222> (1)..(389)
<223> n = a or c or g or t
```

```
<400> 3234
acagggacat gntaggaaac gatgaaccta actgggcatg aagatgtcta gggaaaaaac 60
aaggaagagt aaaaagttac acagaatcta tgcagcggca acaaaatcac ttttaagggt 120
gcaggagaaa aactaatgca aatcttaggt cattagggag tctccgagcc attcacataa 180
tttgcatctt ttacactcct tatccacagc acaatgaaac cccaagagaa tccatctgga 240
gagagcgaaa ggggatggat tccgggtgtt ttggggtnag ggacaggggg agaaggtccn 300
gtttcaacaa atgtgacata cggggaaagt cagacgactt taactntaaa cttngataat 360
ggnagttaga aaccctaaata atcaggcag                                     389
```

```
<210> 3235
<211> 408
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. T85532
```

```
<220>
<221> unsure
<222> (1)..(408)
<223> n = a or c or g or t
```

```
<400> 3235
atcgcttgag gccacgagtt caagatgagg ttggcaacat agtaagacct catcactaca 60
attttttttt ttttaaatta gtgaagtgtg gtactgcaca cccgaagtcc cagctacttg 120
ggaggctgag gcaggaggat tgcttaagcc cagaaatttg aggctgcagt gagccatgat 180
tgcaccacta tgctccagag tctaggcaac agagtgcagc cttatctctt taaaacaaac 240
aagaatgaag ttaggtatct gtttatttgt ttgagccatt tgtatttcct tttttgtagg 300
actgtcctgt ttnaaacggt aaaatcactg ctgtnggttt tngattttta catctcagct 360
gggatgggca ccaattaaat tatttnaggc cctggtttat tgnaaaat                                     408
```

```
<210> 3236
<211> 416
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. T86464
```

```
<220>
<221> unsure
<222> (1)..(416)
<223> n = a or c or g or t
```



<400> 3236  
 ttgagacgga nncnctttctg ttaccacaggc tggagtgacg tgccacangt ctcgggtgtgt 60  
 gccatcatgc ccagccaatt tttgtatttt tagtacagat ggggttttcgc catgtttggca 120  
 ggccgatctg aactcctgaa ctcagggtgat ctgcccgcct cagcctccca aagtactggg 180  
 attacagacg tgagccactg cgcctggctg attctccaga aatcttttgg catcatcatt 240  
 aataaaagca tcaagaagtc aaaaaggaaa tcaagtgatc ctcccgcctc agcctcccaa 300  
 gtagctgggg ctacagggtg tgcaccacca caccgcactt aatttttctaa ggtctatttt 360  
 gaacaagagg gaagacttga ataaaggttg tctctaataa atttcaagga catttt 416

<210> 3237  
 <211> 405  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T86482

<220>  
 <221> unsure  
 <222> (1) .. (405)  
 <223> n = a or c or g or t

<400> 3237  
 ngggaagtgt ggtctggtn c tgtcttggag aaaactacaa taagagcgat aattgtgagg 60  
 atacaccaga ggcagggtat tttgctgtan agtgggtgaag aaatcagctt ctgacctcac 120  
 ctgggacaat ctgaaaggca agaagtcctg ccatacgnaa ttnggcagac accagctggc 180  
 tggaacatcc ccatgggcca tgcctacaa taagatcaac cactgcagat ttgatgaatt 240  
 tttcagtga ggttgtgccc ctgggtctaa gaaagactcc cagtctcttg taagctgtgt 300  
 atggggctca ggccttaaac ctcttgttga accccaacan ccaaagaggg gatactatgg 360  
 gctacacagg cgctttcagg tgtctnggtt gagaagggng atttn 405

<210> 3238  
 <211> 499  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T86978

<220>  
 <221> unsure  
 <222> (1) .. (499)  
 <223> n = a or c or g or t

<400> 3238  
 ttaagtgatt aaaggcaatt ttattacagc agcatgtacn ttattctatt ctaaaagaat 60  
 aaaattcata aacagaaaca gcttttatat ttgtttgcaa tctgcaaaat tgagttatatt 120  
 tgctgatata aaatactaag aactcacttg aggaccatgc caccttctga aaaggccaca 180  
 caccttcttc ttaaagtgt taaagttaca gcgtgtccca gactcatcca gagcaaaata 240  
 agtaagcaac tgactgtctt tgactgtccc ttcccagca ctagcactga ttgtgctggg 300  
 acaagccaca gagcaaggct gcacagcant atgggaggag gctttttatt taaaggcaaa 360  
 attcccaana taggctcttt ggggtgtagg ngatttcttn ctttcacaac ttcaggcttg 420  
 gtatattaat tncctttcct cctttaaccg gggcttgatt tgggggttgn cttgttgggn 480  
 catgggnatc ccnttaggt 499

<210> 3239  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens



<220>

<223> Genbank Accession No. T87174

<220>

<221> unsure

<222> (1)..(338)

<223> n = a or c or g or t

<400> 3239

```
ggtgaattat tgatttattg cacatcagga gaaacacaag attactgcta taataaattc 60
actcttacat gcttttagaaa aatcagtaaa aatagaaaac atggtaacan ttaaagttaa 120
aaanttgggg tcattaaaga atgtctgact gattagcttg cagtttttga gacggctgag 180
aactaccatc aatgagatca ccttaaaca acactcttaa tgacttgga aaagtcccn 240
tcccaaagtc aactntaggg nattcaatat tgtgatattt aactggaatt taaggttatg 300
gtttaaaccc cattttattg aggtaggngg gagggatt 338
```

<210> 3240

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T87224

<220>

<221> unsure

<222> (1)..(498)

<223> n = a or c or g or t

<400> 3240

```
tttttgcaag taatttctac tgaaatattt atttctgaga aacaactcaa ataatttaat 60
ttcaattaag aaattaaatc aactcaaaat aggaataaga caaactcatt atgcttgctt 120
cagatttctt ctacgtggcc aaaaatgctg gggctctcaa ttgtagaagn natcttgat 180
ggcttgcatg gacaatggca gataaagctg atcgggggat ctggccagat ctggtttttg 240
gtagctgttt gacaaacact gcatttcgaa aagcagccac agggccaatg ttctgtctaa 300
cgtgtttcac aatttcttcc aaaacttgct cctctgttgc atttatatct tttctcaata 360
cacagagtgc taagggggac atggaccttt taggggatct ttcttgccc aaccaacagg 420
cacaggtctg ccacgggtac cctgggggaa aggnnttga ctcttcaatg gggcgccctg 480
caggaaattc tgtggacc 498
```

<210> 3241

<211> 469

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T88814

<220>

<221> unsure

<222> (1)..(469)

<223> n = a or c or g or t

<400> 3241

```
actatttgct gggacaggct aggcactgat tctgctgggt ctgagaaaca taaatggtac 60
catagggagg tgtttcctcc taagtggcag gaggatgttt gctgggagtt aagtgaacca 120
attcctcctc tgcttacacc acgtgggggt aggtccagaa ctgaggcctt gggaacatat 180
gctgtgctct ctctacagg cgctgtgttg aagaaccaat agcagttgtt aaatagctgt 240
gggaatttcc ctcccacaat ccacatagtg gatgtgtctc ccaagggagc tctggggtca 300
tgagggccaa tgtatggaaa tctttcactt gaagttccgc atgaaggatc actatgggtg 360
tncaccaggg gntctcaggg taccntgca gnaaggaggt acacatangg ggaaacgggt 420
```



cntcccatnt cgggcctttc cccggtaaan ttcacccact ggtgnttca

469

<210> 3242

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T89601

<220>

<221> unsure

<222> (1)..(408)

<223> n = a or c or g or t

<400> 3242

```
gcaacattta ttgaaactta tattagtcaa gcaacttaat gctaggctaa gctgcagtga 60
gtaataatcc ctaacctcag tgacagtgca gaaaaagaag ggtttcatat ctggagtgtg 120
atgcagggtca atgggagttt ctttcacctg gtgactcagg tatccaggca cattcatttc 180
tgcagggtctg ccttcttgac atgaggtcac tgcagaagga gagagggtn agagtcatgc 240
cagttcttag ggtgctccct gacaaggaga tcctgcagca ctctgcttca cattcctgtt 300
tttcagaac tcagcccagt acccccacca naacttccca aagagtcttg gggaagcata 360
ggaggagggt caccagatag gcctnggaga tcccctcatc actttttg 408
```

<210> 3243

<211> 494

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T89703

<220>

<221> unsure

<222> (1)..(494)

<223> n = a or c or g or t

<400> 3243

```
gtagaaaaca aaaatggaac atttattngc aactcaaata ctacgcatat acagtaagaa 60
nttaaataata aacacagcaa gttccacccc agtcctatth gtccaaggct gcatgggtcaa 120
atggaatctt gaagagaaca cctggnaaac agagcanctn tcagcgacgt ctccgggtctg 180
gacttctgct gcgctcttcg ccacctctcc ncttgccctt tgggtggaccc cgaacaaaac 240
accagtcaac ggtgatgggc tgtcccatca aatcctgggc cattgagtcc ctccatagca 300
gcctggggct tccttgatg tttcatattc agctaggagt ataccctgt cagatatcct 360
gttcgcctgt cgagggttgag gatgaatggt tttaatttcc ccatattctg cggaatttgt 420
cgtgtatgtn ttctgcgna ggcttcctca tggacttcca gttacaaaga gantccagnc 480
ttcagcagag cggt 494
```

<210> 3244

<211> 331

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T89731

<220>

<221> unsure

<222> (1)..(331)

<223> n = a or c or g or t



<400> 3244  
 attttttgta gagacagggg ctngccatgt caccacgct ggtctcaaac tcacgggctc 60  
 aagcaatcct cccatctttg gcccccaaa gtactgagac cacaacatg agccatcttg 120  
 cccagcccct agaacgtgtt atcaaataaa caccgatgca accctcactc agccgagaag 180  
 taaaacattg ccagccaatc cctaaatgct tctgcttgcc gcttcccaat cctaaccaat 240  
 gccttctcct gacaattatg atgggtcatg tctttgcatt tctctaattg tccccatcac 300  
 ggatcaaact aggttttgtt ttgcctcgtg c 331

<210> 3245

<211> 289

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T90037

<220>

<221> unsure

<222> (1)..(289)

<223> n = a or c or g or t

<400> 3245  
 aaggngttgn gattgcttta aagaaagctt tatttactac atacatccta agaatgtact 60  
 gtaaatggag caagatctaa ataaaagctt ttcaaataa aagcagctaa agttaactaa 120  
 accactagca atgtttgaaa acagaactct aaaacttttt ttttacattt atatagtttg 180  
 ttcttaacac taaaaaaaaa aaaagttcac atttcaagtt ataaacttac cctcaggtag 240  
 gtgtaccatg gaaatgggtt ttggaaacca taggggncca ggtagggccc 289

<210> 3246

<211> 391

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T90190

<220>

<221> unsure

<222> (1)..(391)

<223> n = a or c or g or t

<400> 3246  
 tantnntcca gctcttttat tgagatcagt ggtggctctg aaaagcgtnt ttngggtttt 60  
 agaagtaggc gttcgctaatt ttcttcttgg gcgcgcgttc ttaggcttga caaccttggg 120  
 cttagcggcc ttggnntcac agccttagca gcacttttgg cagctttctt gggcttcgca 180  
 accttggcct tctttgggct cttagcactt tcttggttac agtggccgcg gcggctntct 240  
 tcgctttctt cgnggttttc ttagcgctct tcttcggagt tgcgcgcgca gccgccttc 300  
 ttgggcttct tggctncccc aactggcttc ttaggtttgg gtccgcccgc cttttnaacc 360  
 ntggggcttg gncttccccg gagcttgctt t 391

<210> 3247

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T90492

<220>

<221> unsure

<222> (1)..(465)



<223> n = a or c or g or t

<400> 3247

```
ttttaaaggn nnnaatgtga ctatttttaat tatttttggtg gcagggagtt ggttttacat 60
cacccaaaaa aaaaaaaaaa gccctggttt caaattcatt ggtaataaat atgctaactt 120
tctgaatcaa aatggagagc ctctcaagaa aaagagctat gcagtcagca atgacttaaa 180
ttagtcagga tagcaggcat ctgggggttaa ggctgtttcc accatttttg tctcaccacc 240
atatacngt gggaccacag ctgtgtagca cttgtttcng tcataagtnt agcaggtctc 300
tgtagcactg tcttcacac agatattgct ctggggtagc agtaactatc tgattatccc 360
agctccactt ctgtagggnc acatttttta cagaggtcag acaaatgggt acacaaatct 420
ggttcccaa tgggtnaggt ngggtccaga gntattctcc ccgtt 465
```

<210> 3248

<211> 159

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T90520

<400> 3248

```
ttttttttcc attagaagct gaagttttat tataggataa cagtacataa agcacatcta 60
aaattgatgt gttcaatgca cttttaataa aggtaatgta atattaaagg tacagtttct 120
aagtacaata taacaacatt catattagaa tgaaaattg 159
```

<210> 3249

<211> 450

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T90531

<220>

<221> unsure

<222> (1) .. (450)

<223> n = a or c or g or t

<400> 3249

```
atttttcaat aatttagttt ttcttttgtg ctcttttttt tttagtagaa gcaggaacag 60
ttgtcaatac taccttctgt tgggtcccctg ttagacaaca tacctttctt tgaaatgtaa 120
aatgtcaaat atataatgac acaacttttag aaaaaacaaa ctttgacaac accaacaaca 180
aaaaatccca aaataaacca gagatttcat gccatataaa taaagtcaga gcaaactctg 240
tgcccagggg ctggtggccc cagttccagg gggcgggtga tgtccagagc tgggtgtggg 300
ctctcggggg atcctctggg taacaggcg tgatgggagg ccccgctctt cctttcccca 360
cagaggccaa ggtcttttcc caaggcccc caaggcaggn ttaggtacag gggttagggg 420
gtgaaccccg ggaggcttaa ggttgaggga 450
```

<210> 3250

<211> 268

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T90841

<220>

<221> unsure

<222> (1) .. (268)

<223> n = a or c or g or t



<400> 3250  
 tnnntatact caatatttat tgaatacatg gatgagttct tccnccccca tcttcccctg 60  
 ccctccactc cccagctcca ccttccacct gcccttacct gccaggggtc tccccccact 120  
 ggaagcccg cctccagggt ccccccaagg acctcatagg gagccagggg ggcaggggcg 180  
 ggggaagtgt cccatagtct acgagccatc ccagccact agctgggagc agggccctgt 240  
 ccagctccag ccccagggtc gccaggga 268

<210> 3251  
 <211> 252  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T91116

<220>  
 <221> unsure  
 <222> (1)..(252)  
 <223> n = a or c or g or t

<400> 3251  
 ttnttttttt caccaattac aaaaagggtt tatttatatt tgccaaatgt taatcgcttt 60  
 cattatgtct ccaaacatta ttccaccact cttttttata acaagtgcag tgaagatatg 120  
 cttatcgaat attgtacaat actgttgtgt tctgtaacac tctttcggga acagcttaga 180  
 tgtaggtaac aagagatgcc ngcgtatgaa agngcttcat aaactgtact gtataaatgt 240  
 aaactactac cc 252

<210> 3252  
 <211> 271  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T91161

<220>  
 <221> unsure  
 <222> (1)..(271)  
 <223> n = a or c or g or t

<400> 3252  
 ttctgacaag aaggctttat aatttccatt tattgtagaa taatatagta ctatcaacat 60  
 agaaatcatg tgtataccat ttaaaatcat aatttaaag attttcattt tagcaattgt 120  
 ggctgctggg atattataaa cctgcttaaa tattgataca tagngtttaa aataatatta 180  
 taattatgca nttttgggga aataaacatt caataccnt aataggtgca tacaattggg 240  
 agggctgcna ttaataatgg tttccacnac c 271

<210> 3253  
 <211> 423  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T91348

<220>  
 <221> unsure  
 <222> (1)..(423)  
 <223> n = a or c or g or t

<400> 3253



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 agtcctcgga tgcctgtttc ctctttgtta aactggggga ttaattaata attaatctcc 360  
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 tac 423

<210> 3254

<211> 283

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T92935

<220>

<221> unsure

<222> (1)..(283)

<223> n = a or c or g or t

<400> 3254

caattgctgt nctggtacat ggttcttctt cagaaagtgg ttcttctctta atgtgtttct 60  
 ttttaccctt tttcttcttc ttcttcacag atgtttcttc ttcttctgcc actttttctt 120  
 cttcctcttc ttcaacttta actttaatct tggctttttt ggctttcttt tcagtaattt 180  
 catcctcttt atctacctgt tctattttgc gtttttttaga acaggttgga agtgtggagt 240  
 caccagaagg atcgtaagtc ttcacttcac ttttgtgttc ata 283

<210> 3255

<211> 270

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T92950

<220>

<221> unsure

<222> (1)..(270)

<223> n = a or c or g or t

<400> 3255

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 gcttttaaag gtagctgctt cagactggca cttcgggaaa actttgaaag tagacttctt 120  
 ttttttttta atgcttattt taactataga ttggtgataa cgattcaacc ccagagatcc 180  
 agctaactgt tggcacagaa atccttaacg ctactctcaa gcaaataaga tcttgtaagg 240  
 ggaaactcct gcaaaatata ccttgtgaac 270

<210> 3256

<211> 308

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T94452

<220>

<221> unsure

<222> (1)..(308)

<223> n = a or c or g or t







<220>  
 <221> unsure  
 <222> (1)..(365)  
 <223> n = a or c or g or t

<400> 3259  
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 acaaacacaaa aaaagntcac tcaggaggca ctagagggcc actgaagagt gccggagagg 180  
 antcagatta ccaggttaga gctgctgctg actccaggca ggagtnttac atgaaagtga 240  
 ctgaaccaag gcagttntcc tgagcacggg agagtgggaag caggctgaaa catcactgct 300  
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 ccaac 365

<210> 3260  
 <211> 454  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T95515

<220>  
 <221> unsure  
 <222> (1)..(454)  
 <223> n = a or c or g or t

<400> 3260  
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 cttcagtagg aattggtgag gtggcaagggt aagcaggaag cttttcatat tcttcttcag 180  
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 caaacccgaa cgtggaaaag ggtgaacact ggatagcctg cccatcctgc tgctgtaccc 360  
 acggatggac atcaaagtca cccagagagg ggtggcctgg ggttaatgcc cttgtaggag 420  
 ttccttcaca gtgacaatca cttgcccag ccan 454

<210> 3261  
 <211> 257  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T95813

<220>  
 <221> unsure  
 <222> (1)..(248)  
 <223> n = a or c or g or t

<400> 3261  
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 tatttctctc tatttgctaa tattgcattg ctgttacaat aaaaattcaa taaagattta 180  
 gtggttaagt gcaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240  
 aaanaaaana aaaaaaa 257

<210> 3262  
 <211> 169  
 <212> DNA



<213> Homo sapiens

<220>

<223> Genbank Accession No. T96060

<220>

<221> unsure

<222> (1) .. (169)

<223> n = a or c or g or t

<400> 3262

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ccatctgggc cagcctggga ggggcaggtc tggagtcnaa ggcagacacg aaaccggggg 120
tgacaccagg ggctttggag gctgccatgc tgaggacagc tctgggagg 169
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<210> 3263

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T96969

<220>

<221> unsure

<222> (1) .. (396)

<223> n = a or c or g or t

<400> 3263

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ggaaatttgc ccacacacac cccttaccac acccatcttc aagctgcttt taagctaatt 120
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<210> 3264

<211> 325

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T97234

<220>

<221> unsure

<222> (1) .. (325)

<223> n = a or c or g or t

<400> 3264

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tagtgtctag gaatagtcct gattgttccc ttcattctggc tcattgatcg gcagtcagct 180
cctgggaatt ccttaaaact gcgtcacttc cactctcgga tcctcttgct ttgggttctc 240
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cctgggggttt cagggaagga gggan 325
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<210> 3265

<211> 242

<212> DNA



<213> Homo sapiens

<220>

<223> Genbank Accession No. T97679

<220>

<221> unsure

<222> (1)..(242)

<223> n = a or c or g or t

<400> 3265

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ttaagtagaa gggacactgc ataagaagta acatgggaga aggctcaagt gttgacaact 180
gtgatgaaga gagatggagg nccngaagga aattcaactg tggccgagag gcaactaaaa 240
gg 242
```

<210> 3266

<211> 414

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T98199

<220>

<221> unsure

<222> (1)..(414)

<223> n = a or c or g or t

<400> 3266

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caggnattca agaccagcct gggaaacaaa gggtagaccc tgggnataaa aaattagcta 180
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agtctttntt tgggatttcc acancttcga aagattttcc ccaactgttt tntcagtgtc 360
ccacagtncc ctaggatctt ngaccctcaa attnaaggnt ttaaccaant gcc 414
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<210> 3267

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T98284

<220>

<221> unsure

<222> (1)..(471)

<223> n = a or c or g or t

<400> 3267

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cctgggggatn tcgagattgc acacgcagtt ttnccacca gcgaggagag ccatnctggg 420
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```



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 <211> 287  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T98676

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 ccaagtttcc tccaaaagta gtagttattt tgtttttctt catccttgta cagatacatt 180  
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<210> 3269  
 <211> 520  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T99312

<220>  
 <221> unsure  
 <222> (1)..(520)  
 <223> n = a or c or g or t

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 ttctacacca ttataacctg gngtccttta tattaaatat attatttacg caggcactag 180  
 gcaaaaattga agaagttttg agttatctcc tccataaccc ccacctccc acattcccac 240  
 aaaaaaatcc caccctttcc ctattatatg ggggntatta acattaaaaa caanggggga 300  
 aatacacagg ggcatttcaa tttggaatca cttttcccct attttttaca tgtctgggga 360  
 ggagttgggg cttggggnta tgggnatttc caaagggttc ctccccaggg gggttccttg 420  
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<210> 3270  
 <211> 379  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T99636

<220>  
 <221> unsure  
 <222> (1)..(379)  
 <223> n = a or c or g or t

<400> 3270  
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 tgtcactgcc tgagtgaag atgacggtgg cagacacgta caaagacttc cccaccagg 300  
 cttcttctcg ggggttctnc anccntcca ncagtacctt tcggctcagc acaaccttc 360  
 ccgagccatn ctnaatcgg 379



<210> 3271  
 <211> 3536  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. U00115

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<210> 3272

<211> 8833

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. U01062

<400> 3272

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Figure 1 shows a sequence of 15 diagrams illustrating the evolution of a vortex structure over time. The diagrams are labeled with time steps from 0 to 15. At time 0, there is a single point. As time progresses, the structure grows and becomes more complex, eventually forming a multi-lobed, ring-like shape by time 15.

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<223> Genbank Accession No. U09770

<400> 3295

<210> 3296

<212> DNA

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<400> 3296



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<210> 3297

<211> 992

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. U11861

<400> 3297

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<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. U12404

<400> 3298

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<220>  
 <223> Genbank Accession No. U12465

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<210> 3300  
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 <212> DNA  
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<220>  
 <223> Genbank Accession No. U12778

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<211> 1232

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. U13061

<400> 3301

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<210> 3302

<211> 507

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. U14968

<400> 3302

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agttggtatg aagcattacc acttaaagag gaaccagagc ttctgcccac ctgtcaacct 240
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<211> 485

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. U14969

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caaaa 485

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<210> 3304

<211> 705

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. U14970

<400> 3304

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<211> 692

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. U14971

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<210> 3306

<211> 570

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. U14972

<400> 3306

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<210> 3307

<211> 268

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. U14973

<400> 3307

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atgaaaaacc atgataattc tttgtata 268

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<210> 3308

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. U15008

<400> 3308

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gtgctcacac agtcagtcaa gaacaatacc caagtgtcca tcaactgccg caacaataag 180
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cggaacccgc tcatcgccgg caagtagggg ccgcctgtct gttgacagaa ctcactcctc 420
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<210> 3309

<211> 789

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. U15174

<400> 3309

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gaagagctgt tagatcctgg gccttcgtgg ctcgagagac tagaatcgca gatacgaaaa 780
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<210> 3310

<211> 2470

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. U15932

<400> 3310

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<213> Homo sapiens

<220>

<223> Genbank Accession No. U22961

<400> 3329

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<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. U24704

<400> 3331

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<211> 921

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. U25182

<400> 3332

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<210> 3333  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. U25789

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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. U26173

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<211> 1897

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. U26726

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<211> 1017

<212> DNA



<213> Homo sapiens

<220>

<223> Genbank Accession No. U26727

<400> 3336

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<211> 2583

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. U27328

<400> 3337

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20.00	100	4.44	12.0	1	0	1
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<223> Genbank Accession No. U36922

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